SERIES I MAY, 1902 NUMBER 1

BULLETIN

OF

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1901-1902

EVANSTON—CHICAGO
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1902

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Northwestern University

COLLEGE OF LIBERAL ARTS
EVANSTON

MEDICAL SCHOOL
CHICAGO

LAW SCHOOL
CHICAGO

SCHOOL OF PHARMACY
CHICAGO

DENTAL SCHOOL
CHICAGO

WOMAN'S MEDICAL SCHOOL
CHICAGO

SCHOOL OF MUSIC
EVANSTON

SCHOOLS OF THEOLOGY
EVANSTON

EVANSTON—CHICAGO

1901-1902

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1902

JANUARY.

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1903

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ANNOUNCEMENTS FOR 1902-1903.

THE COLLEGE OF LIBERAL ARTS.

1902.

January 28,	Tuesday, Founders' Day.
January 30,	Thursday, Day of Prayer for Colleges.
February 5,	Wednesday, to February 12, Wednesday, Regular Mid-year Examinations.
February 13,	Thursday, Additional Examinations.
February 14,	Friday, **Second Semester Begins.**
February 17,	Monday, Second Examinations.
February 18, 19, 20,	Tuesday, Wednesday, Thursday, Registration Days.
February 18,	Tuesday, Class-work resumed, 8 A.M.
February 21,	Friday, Cleveland Prize Contest.
February 22,	Saturday, Washington's Birthday.
March 27,	Thursday Evening, to March 31, Monday Evening, Easter Recess.
March 31,	Monday, Second Examinations.
April 26,	Saturday, Last day for the Presentation of Theses for Advanced Degrees.
May 1,	Thursday, Presentation of Harris Prize Theses.
May 24,	Saturday, Examination of Candidates for Advanced Degrees.
May 30,	Friday, Memorial Day, Class-work Suspended.
June 4,	Wednesday, to June 12, Thursday, Regular Examinations.
June 13,	Friday, Additional Examinations.
June 15,	Sunday, Baccalaureate Address.
June 16 and 17,	Monday and Tuesday, Examinations for Admission.
June 17,	Tuesday, Annual Meeting of the Board of Trustees.
June 17,	Tuesday, Kirk Prize Oratorical Contest.
June 18,	Wednesday, Annual Meeting of the Phi Beta Kappa Society.
June 18,	Wednesday, Meeting of the Alumni Association.

June 18,	Wednesday, Annual Address before the Phi Beta Kappa Society.
June 19,	Thursday, **Forty-fourth Commencement.**
June 20,	Friday, to September 22, Monday, Summer Vacation.
September 22,	Monday, **First Semester Begins.**
September 22 and 23,	Monday and Tuesday, Examinations for Admission.
September 23, 24, 25,	Tuesday, Wednesday, Thursday, Registration Days.
September 24,	Wednesday, Second Examinations.
September 25,	Thursday, Class-work begins, 8 A.M.
October 1,	Wednesday, Cleveland Prize Contestants Announced.
November 27,	Thursday, to December 1, Monday Morning, Thanksgiving Recess.
December 22,	Monday Morning, to January 6, 1903, Tuesday Morning, 8 o'clock, Christmas Recess.

1903.

January 28,	Wednesday, Founders' Day.
January 29,	Thursday, Day of Prayer for Colleges.
February 4,	Wednesday, to February 11, Wednesday, Regular Mid-year Examinations.
February 12,	Thursday, Additional Examinations.
February 13,	Friday, **Second Semester Begins.**
February 16,	Monday, Second Examinations.
February 17, 18, 19,	Tuesday, Wednesday, Thursday, Registration Days.
February 17,	Tuesday, Class-work resumed, 8 A.M.
February 20,	Friday, Cleveland Prize Contest.
February 22,	Sunday, Washington's Birthday.
April 9,	Thursday Evening, to April 13, Monday Evening, Easter Recess.
April 13,	Monday, Second Examinations.
April 25,	Saturday, Last day for the Presentation of Theses for Advanced Degrees.
May 1,	Friday, Presentation of Harris Prize Theses.
May 23,	Saturday, Examination of Candidates for Advanced Degrees.
May 30,	Saturday, Memorial Day.
June 3,	Wednesday, to June 11, Thursday, Regular Examinations.
June 12,	Friday, Additional Examinations.
June 14,	Sunday, Baccalaureate Address.

June 15 and 16, Monday and Tuesday, Examinations for Admission.
June 16, Tuesday, Annual Meeting of the Board of Trustees.
June 16, Tuesday, Kirk Prize Oratorical Contest.
June 17, Wednesday, Annual Meeting of the Phi Beta Kappa Society.
June 17, Wednesday, Meeting of the Alumni Association.
June 17, Wednesday, Annual Address before the Phi Beta Kappa Society.
June 18, Thursday, **Forty-fifth Commencement.**
June 19, Friday, to September 21, Monday, Summer Vacation.

THE MEDICAL SCHOOL.

1902.
October 6, Monday, Examination for Admission.
October 7, Tuesday, **First Semester Begins.** Opening Exercises, 7:30 P.M.
October 3 and 4, Examinations for Conditioned Students.
November 27, Thursday, Thanksgiving Recess.
December 20, Saturday, to January 2, 1903, Friday, Christmas Recess.

1903.
February 5, 6, 7, Examinations for First Semester.
February 9, Monday, **Second Semester Begins.**
February 22, Saturday, Washington's Birthday Recess.
June 2, Monday, Examinations Begin for Second Semester.
June 15 and 16, Monday and Tuesday, Examination for Admission at College of Liberal Arts.
June 17, Wednesday, Alumni Association Meeting, 7:30 P.M.
June 18, Thursday, **Commencement Day.**

THE LAW SCHOOL.

1902.
September 22, Monday, Registration Day for New Students.
September 23, Tuesday, Registration Day for Applicants for Advanced Standing.
September 24, Wednesday, Registration Day for Other Students.

September 25,	Thursday, **First Semester** begins.
November 26,	Thursday, Thanksgiving Recess.
December 20,	Saturday, to January 5, 1903, Monday, Christmas Recess.
1903.	
January 29,	Thursday, Lectures Close.
February 2,	Monday, Examinations Begin.
February 7,	Saturday, **First Semester Ends.**
February 12,	Monday, **Second Semester Begins.**
February 12,	Thursday, Lincoln's Birthday.
May 23,	Saturday, Lectures Close.
May 28,	Thursday, Examinations begin.
June 18,	Thursday, **Commencement Day.**

THE DENTAL SCHOOL.

1902.	
October 1,	Wednesday, Opening Exercises at 7:30 P. M.
October 1,	Wednesday, to October 14, Tuesday, Examinations for Advanced Standing.
November 27,	Thursday to December 1, Monday, Thanksgiving Recess.
December 29,	Friday, to January 5, 1903, Monday, Christmas Recess.
1903.	
April 13,	Monday, to April 18, Saturday, Senior Examinations.
April 20,	Monday, to April 28, Tuesday, Junior and Freshmen Examinations.
April 29,	Wednesday, **Commencement Day.**
September 29,	Wednesday, Session of 1903-1904 Begins.

THE SCHOOL OF PHARMACY.

1902.	
September 22,	Monday, **Fall Term Begins.**
November 27,	Thursday, Thanksgiving Recess.
December 20,	Saturday, to January 5, 1903, Monday, Christmas Recess.
1903.	
April 1,	Wednesday, Graduating Exercises for Candidates for the Degree of Graduate in Pharmacy.
April 2,	Thursday, **Spring Term Begins.**
June 18,	Thursday, **Commencement Day.**

THE WOMAN'S MEDICAL SCHOOL.

1902.

June 30, Monday, **Summer Term Begins.**
September 15, Monday, to September 20, Saturday, Examinations for Summer Term.
September 22, Monday, Fall Vacation.
September 25, Thursday, Entrance Examination for Fall Term.
September 30, Tuesday, **Fall Term Begins.**
November 27, Thursday to Monday, December 1, Thanksgiving Recess.
December 15, Monday, to December 20, Saturday, Examinations for Fall Term.
December 20, Saturday, to January 5, 1903, Monday, Christmas Recess.

1903.

March 16, Monday, to March 21, Saturday, Examinations for Winter Term.
March 21, Saturday, Spring Vacation Begins.
June 1, Monday, to June 6, Saturday, Final Examinations, Senior Year.
June 17, Wednesday, Alumnæ Association Meeting.
June 18, Thursday, **Commencement Day.**
June 15, Monday, to June 20, Saturday, Examinations for Spring Term.
June 22, Monday, Summer Vacation Begins.

THE SCHOOL OF MUSIC.

1902.

September 23 and 24, Tuesday and Wednesday, Examination for Admission to Regular Courses.
September 25, Thursday, **First Term Begins.**
November 26, Wednesday Evening, **First Term Ends.** Thanksgiving Recess.
December 1, Monday, **Second Term Begins.**
December 20, Saturday, to January 2, 1903, Friday, Christmas Recess.

1903.

January 29, Thursday, Day of Prayer for Colleges.
February 5, Thursday, to February 12, Wednesday, Regular Examinations.
February 11, Wednesday Evening, **Second Term Ends.**
February 12, Thursday, **Third Term Begins.**
April 15, Wednesday Evening, **Third Term Ends.**

April 16,	Thursday, **Fourth Term Begins.**
June 5,	Friday, to June 11, Thursday, Regular Examinations.
June 11,	Thursday, Annual Concert and Commencement Exercises.
June 17,	Wednesday Evening, **Fourth Term Ends.**
September 22 and 23,	Tuesday and Wednesday, Examination for Admission to Regular Courses.
September 24,	Thursday, **First Term Begins.**

THE GARRETT BIBLICAL INSTITUTE.

1902.

January 31,	Friday, **Close of First Semester.**
February 4,	Tuesday, **Second Semester Begins.**
May 25,	Sunday, to May 28, Wednesday, **Commencement.**
September 24,	Wednesday, Registration Day.
September 25,	Thursday, **First Semester Begins.**
November 26,	Wednesday Noon, to December 1, Monday, Thanksgiving Recess.
December 19,	Friday, to January 6, 1903, Tuesday, Christmas Recess.

1903.

January 30,	Friday, to February 3, Tuesday, Mid-year Recess.
February 3,	Tuesday, **Second Semester Begins.**
May 24,	Sunday, to May 27, Wednesday, **Commencement.**

CORPORATION.

OFFICERS.

William Deering,	President.
Hon. Oliver Harvey Horton, LL.D.,	First Vice-President.
Hon. H. H. C. Miller, A.M.,	Second Vice-President.
Frank Philip Crandon, A.M.,	Secretary.
Robert D. Sheppard, A.M., D.D.,	Treasurer and Business Manager.

TRUSTEES.

TERM EXPIRES IN 1902.

Edmund Andrews, M.D., LL.D.,	Chicago.
Nathan Smith Davis, M.D., LL.D.,	Chicago.
Henry Sargent Towle, LL.B.,	Chicago.
Harlow Niles Higinbotham,	Chicago.
John Balderston Kirk,	Evanston.
J. Frank Robinson, A.M.,	Rock Island.
Burns Durbin Caldwell,	New York City.
Charles Bowen Congdon,	Evanston.
James Henry Raymond, A.M.,	Evanston.

TERM EXPIRES IN 1903.

Hon. Oliver Harvey Horton, LL.D.,	Chicago.
William Deering,	Evanston.
Merritt Caldwell Bragdon, A.M., M.D.,	Evanston.
Mary Raymond Shumway,	Evanston.
William Alden Fuller,	Chicago.
James Bartlett Hobbs,	Chicago.
Frank Philip Crandon, A.M.,	Evanston.
Hon. Lorin Cone Collins, A.M.,	Chicago.
Hon. William Andrew Dyche, A.M.,	Evanston.

TERM EXPIRES IN 1904.

Robert Dickinson Sheppard, A.M., D.D.,	Evanston.
Josiah J. Parkhurst,	Evanston.
Frank O. Lowden, A.B., LL.B.,	Chicago.

David McWilliams, - - - - - - Dwight.
Charles P. Wheeler, A.M., - - - - Evanston.
Nina Grey Lunt, - - - - - Evanston.
Gustavus Franklin Swift, - - - - Chicago.
Henry Howard Gage, - - - - Evanston.
Hon. Lyman Judson Gage, - - - New York City.

TERM EXPIRES IN 1905.

Norman Waite Harris, - - - - Chicago.
Nathan Smith Davis, Jr., A.M., M.D., - - - Chicago.
Harvey Bostwick Hurd, LL.D., - - - Evanston.
John Richard Lindgren, - - - - - Evanston.
Hon. H. H. C. Miller, A.M., - - - - Evanston.
Hon. Elbert Henry Gary, - - - - New York City.
Milton Hollyday Wilson, - - - - Evanston.
Alexander Hamilton Revell, - - - - Chicago.
Hon. Henry Sherman Boutell, A.M., - - Chicago.

ELECTED BY CONFERENCES.

ROCK RIVER.

Rev. John Patrick Brushingham, A.M., D.D., - - Chicago.
Rev. Joseph T. Ladd, - - - - - - Elgin.

DETROIT.

Rev. Joseph Flintoft Berry, D.D., - - - Chicago.

CENTRAL ILLINOIS.

Rev. George R. Palmer, A.M., D.D., - - Onarga.
Rev. J. Wellington Frizzelle, - - - Rock Island.

MICHIGAN.

Rev. George Smith Hickey, A.M., D.D., - - Detroit.
Rev. Edward George Lewis, S.T.B., D.D., - Grand Rapids.

GENERAL EXECUTIVE COMMITTEE.

William Deering.
Oliver H. Horton, LL.D.
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NORTHWESTERN UNIVERSITY.

The University comprises the following departments, each having a distinct Faculty of Instruction:

The College of Liberal Arts,
The Medical School,
The Law School,
The School of Pharmacy,
The Dental School,
The Woman's Medical School,
The School of Music.

The College of Liberal Arts and the School of Music are maintained in Evanston; the professional schools are in Chicago.

Evanston is situated on the shore of Lake Michigan, twelve miles north from the center of Chicago. It has a population of about twenty thousand. The charter of the University prohibits the sale of intoxicating liquors within four miles of the University.

Evanston is also the seat of the Garrett Biblical Institute, a Theological School established on its own foundation and under separate management, but in close affiliation with the University.

ORGANIZATION AND GOVERNMENT.

A meeting to consider the project of founding a university in the vicinity of Chicago was held in that city on May 31, 1850. It was unanimously resolved that "the interests of Christian learning demand the immediate establishment of a University in the Northwest." A committee was appointed to secure a charter from the General Assembly of Illinois; the charter was approved by the Governor on January 28, 1851.

The College of Liberal Arts was the first department of the University to be organized. It was formally opened in November, 1855. The Medical School became a department of the University in 1869, the Law School in 1873, the School of Pharmacy in 1887, the Dental School in 1888, the Woman's Medical School in 1892. The Garrett Biblical Institute since its foundation has served as the Theological School of the University.

The government of the University is committed to a Board of forty-four Trustees. The board has the power to elect professors and instructors, manage the property of the Corporation, and determine the general policy of the institution. It delegates certain powers to subordinate boards:

First—To the Executive Committee are committed the conduct and management of the business of the University during the intervals between the meetings of the Board of Trustees.

Second—To the Faculties is committed the control of the instruction and discipline of the several schools, subject to the approval of the Trustees.

UNIVERSITY CHARTER.

The charter granted to the University, in 1851, reads as follows:

Section I. *Be it enacted by the People of the State of Illinois, represented in the General Assembly:* That Richard Haney, Philo Judson, S. P. Keyes, and A. E. Phelps, and such persons as shall be appointed by the Rock River Annual Conference of the Methodist Episcopal Church to succeed them in the said office; Henry Summers, Elihu Springer, David Brooks, and Elmore Yocum, and such persons as shall be appointed by the Wisconsin Annual Conference of said church to succeed them; four individuals, if chosen, and such persons as shall be appointed to succeed them by the Michigan Annual Conference of said church; four individuals, if chosen, and such persons as shall be appointed to succeed them by the North Indiana Annual Conference of said church; H. W. Reed, I. I. Stewart, D. N. Smith, and George M. Teas, and such persons as shall be appointed to succeed them by the Iowa Annual Conference of said church; four individuals, and if chosen, such persons as shall be appointed to succeed them by the Illinois Annual Conference of said church;

A. S. Sherman, Grant Goodrich, Andrew J. Brown, John Evans, Orrington Lunt, J. K. Botsford, Joseph Kettlestrings, George F. Foster, Eri Reynolds, John M. Arnold, Absalom Funk, and E. B. Kingsley, and such persons, citizens of Chicago or its vicinity, as shall be appointed by the Board of Trustees hereby constituted to succeed them, be, and they are hereby created and constituted a body politic and corporate, under the name and title of the *Trustees of the Northwestern University*, and henceforth shall be styled and known by that name, and by that name and style to remain and have perpetual succession, with power to sue and be sued, plead and be impleaded, to acquire, hold, and convey property, real, personal, or mixed, in all lawful ways; to have and use a common seal and to alter the same at pleasure; to make and alter from time to time such by-laws as they may deem necessary for the government of said institution, its officers and servants, provided such by-laws are not inconsistent with the constitution and laws of this State and of the United States, and to confer on such persons as may be considered worthy such academical or honorary degrees as are usually conferred by similar institutions.

SECTION II. The term of office of said Trustees shall be four years, but that of one member of the Board for each conference enjoying the appointing power by this act, and the term of three of the members whose successors are to be appointed by the Board hereby constituted, shall expire annually; the term of each member of the Board herein named to be fixed by lot at the first meeting of said Board, which Board shall, in manner above specified, have perpetual succession, and shall hold the property of said institution solely for the purposes of education, and not as a stock for the individual benefit of themselves or any contributor to the endowment of the same; and no particular religious faith shall be required of those who become students at the institution. Nine members shall constitute a quorum for the transaction of any business of the Board, except the appointment of President or Professor, or the establishment of chairs in said institution, and the enactment of by-laws for its government, for which the presence of a majority of the Board shall be necessary.

SECTION III. Said Annual Conferences of the Methodist Episcopal Church, under whose control and patronage said University is placed, shall each also have the right to appoint annually two suitable persons, members of their own body, visitors to said University, who shall attend the examination of students, and be entitled to participate in the deliberations of the Board of Trustees, and enjoy all the privileges of members of said Board except the right to vote.

SECTION IV. Said institution shall remain located in or near the City of Chicago, Cook County, and the corporators and their successors shall be competent in law or equity to take to themselves, in their said corporate name, real, personal, or mixed estate, by gift, grant, bargain, and sale, conveyance, will, devise, or bequest of any person or persons whomsoever; and the same estate, whether real, personal, or mixed, to grant, bargain, sell, convey, devise, let, place out at interest, or otherwise dispose of the same for the use of said institution in such manner as to them shall seem most beneficial to said institution. Said corporation shall faithfully apply all the funds collected or the proceeds of the property belonging to the said institution, according to their best judgment, in erecting and completing suitable buildings, supporting necessary officers, instructors, and servants, and procuring books, maps, charts, globes, and philosophical, chemical, and other apparatus necessary to the success of the institution, and do all other acts usually performed by similar institutions that may be deemed necessary or useful to the success of said institution, under the restrictions herein imposed: *Provided*, nevertheless, that in case any donation, devise, or bequest shall be made for particular purposes accordant with the design of the institution, and the corporation shall accept the same, every such donation, devise, or bequest shall be applied in conformity with the express conditions of the donor or devisor: *Provided, further*, that said corporation shall not be allowed to hold more than two thousand acres of land at any one time unless the said corporation shall have received the same by gift, grant, or devise; and in such case they shall be required to sell or dispose of the same within ten years from the time they shall acquire such title; and, on failure to do so, such lands over and above the before-named two thousand acres shall revert to the original donor, grantor, devisor or their heirs.

SECTION V. The treasurer of the institution and all other agents when required, before entering upon the duties of their appointment, shall give bond for the security of the corporation in such penal sums, and with such securities as the corporation shall approve, and all process against the corporation shall be by summons, and the service of the same shall be by leaving an attested copy thereof with the treasurer at least sixty days before the return day thereof.

SECTION VI. The corporation shall have power to employ and appoint a President or Principal for said institution, and all such professors or teachers and all such servants as may be necessary, and shall have power to displace any or such of them as the interest of the institution may require, to fill vacancies which may happen by death, resignation, or otherwise, among said officers and servants and to prescribe and direct the course of studies to be pursued in said institution.

SECTION VII. The corporation shall have power to establish departments for the study of any and all the learned and liberal professions in the same, to confer the degree of doctor in the learned arts and sciences and *belles-lettres*, and to confer such other academical degrees as are usually conferred by the most learned institutions.

SECTION VIII. Said corporation shall have power to institute a board of competent persons, always including the faculty, who shall examine such individuals as may apply, and if such applicants are found to possess such knowledge pursued in said institution as in the judgment of said board renders them worthy, they may be considered graduates in course, and shall be entitled to diplomas accordingly on paying such fee as the corporation shall affix, which fee, however, shall in no case exceed the tuition bills of the full course of studies in said institution; said examination board may not exceed the number of ten, three of whom may transact business, provided one be of the faculty.

SECTION IX. Should the corporation at any time act contrary to the provisions of this charter, or fail to comply with the same, upon complaint being made to the Circuit Court of Cook County, a *scire facias* shall issue, and the circuit attorney shall prosecute in behalf of the people of this state for forfeiture of this charter.

This act shall be a public act, and shall be construed liberally in all courts, for the purposes herein expressed.

The charter thus granted was amended by an act approved February 14, 1855, which reads as follows:

SECTION I. *Be it enacted by the People of the State of Illinois, represented in the General Assembly:* That John L. Smith, Aaron Wood, Luther Taylor, and Wm. Graham, and such other persons as shall be elected to succeed them by the Northwestern Indiana Conference of the Methodist Episcopal Church, be, and they are hereby, constituted members of the Board of Trustees of the Northwestern University.

SECTION II. No spirituous, vinous, or fermented liquors shall be sold, under license or otherwise, within four miles of the location of said University, except for medicinal, mechanical, and sacramental purposes, under penalty of twenty-five dollars for each offense, to be recovered before any Justice of the Peace of said County of Cook: *Provided*, that so much of this act as relates to the sale of intoxicating drinks within four miles may be repealed by the General Assembly whenever they may think proper.

SECTION III. The said incorporation shall have power to take, hold, use and manage, lease and dispose of all such property as may

in any manner come to said corporation charged with any trust or trusts, in conformity with such trusts and directions, and to execute all such trusts as may be confided to it.

SECTION IV. That all property of whatever kind or description, belonging to or owned by said corporation, shall be forever free from taxation for any and all purposes.

SECTION V. This act shall be public, and take effect from and after its passage.

The charter was again amended by an act approved February 16, 1861, which reads as follows:

SECTION I. *Be it enacted by the People of the State of Illinois, represented in the General Assembly:* That the Annual Conferences of the Methodist Episcopal Church, which now are or may hereafter be authorized to elect or appoint Trustees of said University, shall hereafter elect only two Trustees each, who shall also be and perform the duties of the visitors to said institution, and the place of the two Trustees last appointed by each conference is hereby vacated. The Trustees elected by such conferences shall hereafter hold their office for two years, and until their successors are chosen, the term of one elected by each of them expiring annually. In case any conference having authority to elect Trustees shall now or hereafter be divided into two or more annual conferences, they shall each have authority to elect Trustees. On the request of the Board of Trustees, made at a regular meeting, any such Annual Conference may elect Trustees as herein provided.

SECTION II. Any annual conference electing Trustees as herein provided, having at any time refused to elect successors thereto, or resolving to discontinue or refuse its patronage to said institution, shall authorize the Board of Trustees, by a vote of the majority thereof at any regular meeting, to declare vacant the place of all Trustees appointed by such conference, and its right to appoint Trustees shall thereupon cease.

SECTION III. Any chartered institution of learning may become a department of this University by agreement between the Boards of Trustees of the two institutions.

SECTION IV. This act shall take effect and be in force from and after its passage.

A third amendment was made by an act approved February 23, 1867, which reads as follows:

SECTION I. *Be it enacted by the People of the State of Illinois, represented in the General Assembly:* That the name of that Corporation created by act of the General Assembly of the State of Illinois,

approved on the 28th day of January, A.D. 1851, under the name of the "Trustees of the Northwestern University," be and the same is hereby changed to "Northwestern University," and by that name shall hereafter be known, and in and by such name shall have and exercise all the powers and immunities conferred on said corporation by said act of incorporation, and all acts amendatory thereof.

SECTION II. In addition to the number of Trustees heretofore provided for by law, the Board may elect any number, not exceeding twenty-four, and without reference to their several places of residence; and a majority of the whole Board shall be members of the Methodist Episcopal Church.

SECTION III. No greater number shall be required to constitute a quorum than has been heretofore required by law: *Provided*, that in all called meetings of the Board the object of the meeting shall be particularly specified in the notice to be previously given to each Trustee.

SECTION IV. This act shall be a public act, and in force from and after its passage.

UNIVERSITY STATUTES.

The following statutes have been adopted by the Trustees:

PRESIDENT. The President of the University shall be the head of the educational departments of the University, and of each of them.

He shall see that all the rules and regulations prescribed by the Board of Trustees or the Executive Committee for the government of the University are faithfully observed. He shall exercise such general executive powers as are necessary to the good government of the University and the protection of its interests, and which are not otherwise provided for.

It shall be his duty to nominate to the Board officers of instruction, except as otherwise provided, and to see that all officers of instruction are doing a proper amount and a satisfactory quality of work.

He shall prepare an annual report on the condition and needs of the University, shall cause the same to be printed, and shall send a copy to each member of the Board prior to its annual meeting.

He shall be, whenever present, the presiding officer of the Faculty of any College or School in the University. He shall have the right of a deciding vote in case of a tie. He shall appoint all committees provided for by the Faculty, unless otherwise ordered, and shall call extra meetings of any Faculty, whenever, in his judgment, such meetings may be called for by the welfare of the University.

OFFICERS. The officers of instruction in the University shall have designation and precedence as follows:

1. Professors.
2. Acting Professors.
3. Associate Professors.
4. Assistant Professors.
5. Instructors.
6. Tutors.
7. Lecturers.
8. Such other subordinate officers as may be from time to time appointed.

FACULTIES. The Faculty of any College or School shall be constituted of officers of instruction who are above the rank of Tutor.

Each department of study shall be under the supervision of a Professor or Acting Professor, who shall be the head of the department, and who, subject to the direction of the Faculty, shall have final decision in all matters relating to the work of the department. In case there shall be two or more officers having the rank of Professor in any department, the one first appointed shall have precedence.

Each Faculty shall have power to determine the requirements for the admission of students to such departments of the University as are under its jurisdiction; to prescribe and define the various courses of study for undergraduate and graduate students; to determine, subject to revision by the Board of Trustees, the requirements for such degrees as are offered to students under its jurisdiction; to enact and enforce such rules for the guidance and government of its own students as it may deem best adapted to the interests of the University.

There shall be elected by the Board of Trustees, or the Executive Committee, a Dean of each School or College, whose duty it shall be to preside at all meetings of the Faculty of such School or College in the absence of the President of the University. He shall annually submit to the President of the University, not later than June 1, a report of the work of the School or College to which he belongs, with such recommendations as he may deem advisable, and the reports so made may be made a part of the President's annual report to the Board of Trustees.

Each Faculty may present at any meeting of the Board or of the Executive Committee a report of any matters concerning the interests of its School or College, which report shall be transmitted through the President of the University.

No officer in the University shall absent himself from the discharge of his proper duties in the University longer than three

college days at any one time without securing the previous consent of the President of the University, or of the Dean of the School to which said officer of instruction belongs; but this rule shall not be applied in case of absence occasioned by sickness or death of relatives.

A Committee for the Regulation of Athletic Sports shall hereafter be annually appointed and chosen as follows: Three members of the University Faculties and three alumni of the University, these six to be appointed by the Executive Committee; and also three undergraduates, to be chosen during the first week of the College of Liberal Arts year by the Athletic Association. This committee shall have entire supervision and control of all athletic exercises within and without the precincts of the University, subject to the authority of the Faculty of Liberal Arts.

Duties and Discipline of Students. All students are required to obey the rules of the University, to comply with the rules and regulations made by the Faculty of the School or College to which they belong, and to conduct themselves at all times with decorum and propriety.

Any student who is sent for by the President or any officer of instruction of the Faculty under which he is enrolled shall comply with the call without delay, and students must at all times obey the directions of the President or any officer of instruction in the School or College to which they belong, pertaining to good order in the institution.

A student may be suspended, dismissed, or expelled by a vote of two-thirds of the Professors of the Faculty of the School or College in which he is a member, provided always that, prior to such contemplated suspension, dismission, or expulsion, he be granted the right to a full and impartial hearing before the Faculty, and in all cases of discipline contemplating suspension, dismission, or expulsion the vote shall be by ballot. In the Academy this power of discipline shall belong to the Faculty of Liberal Arts.

Concerted absence from any appointed duty by a class, or by any number of students together, will be regarded as a violation of good order, and will be followed by suspension, dismission, or expulsion, at the discretion of the Faculty.

When any Faculty shall become satisfied that a student is not fulfilling the purpose of his residence at the University, or is for any cause an unfit member thereof, the President shall notify his parents or guardians, that they may have an opportunity to withdraw him, and if he is not withdrawn within a reasonable time he shall be dismissed.

Students or societies in the University are forbidden to invite

any lecturer to address them in public until the name of the proposed lecturer shall have been presented to the President of the University, or to the Dean of the School to which such students or societies belong, and his permission to extend the invitation has been obtained.

Publication by any student or students of any paper or production bearing the name of the University, or purporting to issue from it, is forbidden, unless the publication is previously approved by the President.

Women students in the College of Liberal Arts or in the Academy, who are not residents of Evanston, are required to live in Woman's Hall or in the College Cottage, unless special permission shall be granted them to live elsewhere. Application for such permission shall be made to a committee which shall consist of the President of the University, the Principal of the Academy, the Dean of Women, and the Business Manager of the University.

Excursions upon Lake Michigan in steamers or other vessels by bodies of students in departments of the University situated in Evanston, shall not be planned or carried out without the consent of the President, or the Executive Committee, which consent shall not be given until all possible precautions for the safety of the excursion party have been taken under the direction of a competent University representative.

The Oxford cap and gown shall be worn as an official dress at Commencement.

GRADUATION. All degrees in this institution, except honorary degrees, shall be conferred by the Board of Trustees on the recommendation of the proper Faculty; honorary degrees may be conferred upon the recommendation of the University Council.

Prior to the Commencement of any School or College, the Faculty thereof shall report to the Board of Trustees, if that Board is in session, the names in full and the places of residence of all students whom they shall recommend for degrees, whereupon the Board shall, in its discretion, pass a resolution to confer the same. In case the Board shall not be in session, the Faculty shall report the names as aforesaid to the Executive Committee of the Board of Trustees, who shall recommend that the President confer the degrees and report the same to the Board of Trustees for its approval.

For the recommendation of students to degrees by the different Faculties, all votes shall be by ballot. All candidates for degrees, except honorary degrees, shall be personally present at Commencement exercises, unless the Board or Executive Committee, on the recommendation of the appropriate Faculty, shall deem it proper to confer the degree in the absence of the candidate; and the candidates

shall perform such public duties on Commencement day as the Faculty may designate.

The name of no person shall be presented for a degree till all his dues to the University are paid. No fee shall be charged for an honorary degree.

All degrees shall be conferred by the President on the authority of the Board of Trustees.

No duplicate diplomas shall be granted to graduates of the University without such proof of the loss of the original by affidavit or otherwise as shall be satisfactory to the Executive Committee.

THE UNIVERSITY COUNCIL. The President of the University, together with the Dean of each Faculty, and another member thereof elected annually by the Faculty, shall constitute the University Council.

The University Council shall meet on the day preceding the annual meeting of the Board of Trustees, and at such other times as the President of the University may designate.

The University Council may consider such matters as pertain to the interests of the University as a whole, and may make recommendations concerning the same to the Board of Trustees.

The University Council may recommend to the Board of Trustees the person or persons upon whom they think it fitting that honorary degrees should be conferred.

THE COLLEGE OF LIBERAL ARTS.

FACULTY.

*Edmund Janes James, Ph.D., *President.*

Daniel Bonbright, LL.D., *Dean of the Faculty, John Evans Professor of Latin Language and Literature.*

Herbert Franklin Fisk, D.D., LL.D., *Professor of Pedagogics.*

Robert McLean Cumnock, A.M., *Professor of Rhetoric and Elocution.*

Robert Baird, A.M., *Professor of Greek Language and Literature.*

†Charles William Pearson, A.M., *Professor of English Literature.*

Robert Dickinson Sheppard, A.M., D.D., *Professor of English and American History.*

Abram Van Eps Young, Ph.B., *Professor of Chemistry.*

George Washington Hough, LL.D., *Professor of Astronomy and Director of Dearborn Observatory.*

James Taft Hatfield, Ph.D., *Professor of German Language and Literature.*

Charles Beach Atwell, Ph.M., *Registrar, Professor of Botany.*

Henry Crew, Ph.D., *Fayerweather Professor of Physics.*

J. Scott Clark, Lit.D., *Professor of the English Language.*

John Henry Gray, Ph.D., *Professor of Political Science.*

Peter Christian Lutkin, Mus. Doc., *Professor of Music.*

George Albert Coe, Ph.D., *Secretary, John Evans Professor of Moral and Intellectual Philosophy.*

Charles Horswell, Ph.D., *Professor of Hebrew Language and Literature.*

Alja Robinson Crook, Ph.D., *Professor of Mineralogy and Economic Geology.*

Henry Seely White, Ph.D., *Henry S. Noyes Professor of Pure Mathematics.*

Thomas Franklin Holgate, Ph.D., *Professor of Applied Mathematics.*

William Caldwell, Sc.D., *Professor of Ethics and Social Philosophy.*

William Albert Locy, Ph.D., *Professor of Zoölogy.*

Charles Joseph Little, Ph.D., LL.D., *Professor of Church History.*

*Elected January 21.

†Resigned February 11.

George Oliver Curme, A.M., *Professor of Germanic Philology.*

James Alton James, Ph.D., *Professor of the History of Continental Europe.*

Edouard Baillot, B.S., *Professor of Romance Languages.*

Amos William Patten, A.M., D.D., *Professor of Biblical Instruction.*

Ulysses Sherman Grant, Ph.D., *William Deering Professor of Geology.*

John Adams Scott, Ph.D., *Professor of Greek Language and Literature.*

Willard Kimball Clement, Ph.D., *Acting Professor of Latin.*

Martha Foote Crow, Ph.D., *Assistant Professor of English Literature, and Dean of Women.*

Olin Hanson Basquin, Ph.D., *Associate Professor of Physics.*

Omera Floyd Long, Ph.D., *Assistant Professor of Latin.*

Arthur Herbert Wilde, Ph.D., *Assistant Professor of History.*

John Edward George, Ph.D., *Assistant Professor of Political Economy.*

Walter Dill Scott, Ph.D., *Assistant Professor of Psychology and Pedagogy, and Director of the Psychological Laboratory.*

Albert Ericson, A.M., *Instructor in the Swedish Language.*

Nels Edward Simonsen, A.M., D.D., *Instructor in the Norwegian and Danish Languages.*

Mary Freeman, A.M., *Instructor in the Romance Languages.*

Herbert Govert Keppel, A.M., *Instructor in Mathematics.*

Henry Le Daum, A.B., *Instructor in French.*

Samuel Debenham Gloss, M.S., *Instructor in Chemistry.*

Charles Marvin Hollister, A.B., M.D., *Instructor in Physical Culture and Director of the Gymnasium.*

Edwin A. Greenlaw, A.M., *Instructor in Pedagogy and English Literature.*

Charles Hill, M.S., Ph.D., *Instructor in Zoölogy.*

Olin Clay Kellogg, Ph.D., *Instructor in the English Language.*

Georg Edward, *Instructor in German.*

Marcus Simpson, Ph.D., *Instructor in German.*

Robert Edward Wilson, Ph.B., *Instructor in Mathematics.*

Robert Tatnall, Ph.D., *Instructor in Physics.*

*Charles Macaulay Stuart, D.D., *Instructor in English Literature.*

*Elizabeth Hunt, A.M., *Instructor in English Literature.*

Effie Ellen Thayer, B.S., *Assistant in Zoölogy.*

Arthur Day Howard, B.S., *Teaching Fellow in Zoölogy.*

Mary Ellen Tayler, B.S., *Teaching Fellow in Botany.*

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*Second Semester

STANDING COMMITTEES.*

Administrative:—Professors BONBRIGHT, ATWELL, BAIRD, CROW, FISK, HOLGATE, PATTEN, YOUNG.

Undergraduate Study:—Professors YOUNG, COE, GEORGE, HATFIELD, PEARSON.

Board of Examiners:—Professors WHITE, BAILLOT, CURME, BAIRD, LONG, Dr. TATNALL.

Advanced Standing:—Professors LOCY, CLARK, HATFIELD.

Graduate Study:—Professors CREW, LOCY, J. A. SCOTT.

Delinquent Students:—Professors HOLGATE, LONG, WILDE.

Admission Requirements:—Professors CURME, BAIRD, HOLGATE, JAMES, W. D. SCOTT.

Registration:—The REGISTRAR, Professors BAIRD, GRANT.

Accredited Schools:—Professors JAMES, FISK, GEORGE.

Academy:—Professors FISK, CREW, CLARK.

Library:—Professors BONBRIGHT, GRAY, HATFIELD, LOCY, YOUNG.

Chapel:—Professors BAIRD, CROOK, PATTEN.

Fellowships, Scholarships, and Charitable Funds:—Professors FISK, CALDWELL, HOUGH.

Regulation of Athletic Sports (Faculty Members):—Professors LONG, WHITE, J. A. SCOTT.

Musical Organizations:—Professors HATFIELD, CROOK, LUTKIN.

Social Affairs:—Professors YOUNG, ATWELL, CROW, FISK, LUTKIN.

Catalogue:—Professor JAMES, the President, the Registrar.

CONSULTATION HOURS.

PRESIDENT JAMES, - - - Hours to be announced.
Professor BONBRIGHT, - - - Hours to be announced.
The REGISTRAR, Daily, except Saturdays, 9 to 10, Room 2, U. H.†
Professor FISK, - - Daily, 11 to 12:30, Room 1, Fisk Hall.
Professor CUMNOCK, Mondays and Tuesdays, 2, Room 1, Swift Hall.
Professor BAIRD, - Mondays and Fridays, 4, Room 12, U. H.
Professor SHEPPARD, Tuesdays and Thursdays, 3, Room 9, U. H.
Professor YOUNG, - - Daily, 11 to 12, Room 21, W. S. H.‡
Professor HOUGH, Tuesdays and Thursdays, 3, Room 4, E. S. H.‡
Professor HATFIELD, Mondays, Wednesdays, and Fridays, 11 to 12, Room 26, Library.
Professor CREW, - - Daily, 9 to 11, Room 10, E. S. H.

* Names arranged alphabetically except the chairman.

† U. H. designates University Hall.

‡ W. S. H. designates the west wing of Science Hall, and E. S. H. the east wing of the same building.

Professor CLARK, - Mondays, Wednesdays, Fridays, 9 am.; Tuesdays and Thursdays, 4 p.m., Room 17, U. H.

Professor GRAY, Mondays, Wednesdays, and Fridays, 9 to 9:45; Tuesdays, 4 to 5, Room 29, Library.

Professor LUTKIN, Mondays, Tuesdays, Wednesdays, and Thursdays, 4:30, Music Hall.

Professor COE, Mondays, Wednesdays, and Fridays, 3 to 3:30; Tuesdays and Thursdays, to be announced, Room 5, O. C.*

Professor HORSWELL, Tuesdays and Thursdays, 4, Room 10, Memorial Hall.

Professor CROOK, - - - Daily, 9 to 10, Room 7, W. S. H.

Professor WHITE, Tuesdays and Thursdays, 4, Room 4, U. H.

Professor HOLGATE, Tuesdays and Thursdays, 9, Room 4, U. H.

Professor CALDWELL, Mondays, 9:50, Tuesdays, 3:50, Fridays, 9:50, Room 6, O. C.; Tuesdays, 10:45, Thursday, 11:50 and 12:20, Room 15, Library.

Professor LOCY, Tuesdays and Thursdays, 10 to 11, Room 25, U. H.

Professor CURME, Wednesdays, 8:30 to 9; Thursdays, 9, Room 4, Library.

Professor BAILLOT, Mondays and Wednesdays, 3 to 4, Room 13, U. H.

Professor JAMES, Tuesdays, 10:30 to 11; Fridays, 10 to 11, Room 9, U. H.

Professor PATTEN, Daily, except Mondays and Saturdays, 11, Room 1, O. C.

Professor GRANT, - Mondays, Wednesdays, Thursdays, Fridays, 11 to 11:30, Room 18, U. H.

Professor SCOTT, - - - - Daily, 11 to 12, Room 2, Library.

Assistant Professor CROW, - - Tuesdays, 10, Room 18, Library; Mondays, Tuesdays, Wednesdays, Thursdays Fridays, 2, and Saturdays 8 to 8:30 am., Willard Hall.

Assistant Professor LONG, Mondays and Fridays, 11, Room 1, Library.

Assistant Professor WILDE, Tuesdays and Thursdays, 3, Room 9, U. H.

Assistant Professor GEORGE, Mondays, Wednesdays, Fridays, 3 to 3:30, Room 30, Library.

Assistant Professor SCOTT, - - Tuesdays and Thursdays, 11, Room 9, O. C.

Rev. Mr. ERICSON, - - Daily, 3 to 5, Swedish Seminary.

Dr. SIMONSEN, - - - - - Daily, 10, Memorial Hall.

Miss FREEMAN, - - - - Daily, 9 to 10, Room 13, U. H.

Mr. KEPPEL, - - Monday and Wednesday, 9, Room 4, U. H.

Mr. LE DAUM, - - - - - Daily, 3 to 4, Room 6, U. H.

Mr. GREENLAW, - - Tuesdays and Thursdays, 10, Fridays 11, Room 17, U. H.

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*O. C. designates Old College.

REQUIREMENTS FOR ADMISSION.

Candidates for admission to the College of Liberal Arts must be at least sixteen years of age, and must present to the Registrar satisfactory evidence of good moral character, together with credentials from the last institution which they attended. Either by examination, or by certificate from an accredited school, satisfactory evidence of preparation must be given in the following subjects:

(1) All the units described under Group A.

(2) Four units from Group B.

(3) Three additional units from Groups B or C.

The items in the groups indicate both the amount of work to be covered and the time to be devoted to each subject in a good secondary school, in order to secure a unit of credit.

Group A.

1. *English Language*—All students applying for admission to the College of Liberal Arts will be subjected to an examination in elementary English, without regard to any diplomas or certificates that they may hold. This examination will be given *in June and again in September* on the dates assigned in the calendar for entrance examination. It will cover spelling, capitalization, paragraphing, italicising, and the use of quotation-marks. Candidates will be expected to show, by an original composition on some simple subject prescribed at the time, a fair knowledge of grammatical construction and of good literary form. They will also be expected to present evidence that they have each written, before entering college, *at least eight exercises of at least three hundred words each.* Such evidence may consist of the exercises themselves, presented for inspection by the examiner, or of certificates from instructors in English in secondary schools. As to the character of the exercises required for preparation, paraphrases of standard prose or poetry are preferred; descriptions of scenes or objects actually witnessed by the writers, narrations based on personal experiences, and arguments on specific questions will be accepted; rambling expository essays on broad general themes are not acceptable. Students who cannot present evidence of such preliminary practice in compositions are required to make good the deficiency before being admitted to any college course in the English language. *Time requirement, the equivalent of four hours a week throughout one year.*

2. *English Literature*—The examination in English Literature will be conducted as follows:

I. Reading—A certain number of books will be set for reading The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may present an exercise book, properly certified to by his instructor, containing compositions or other written work done in connection with the reading of the books.

The books set for this part of the examination will be:

1902: Shakespeare's Merchant of Venice; Pope's Iliad, Books I., VI., XXII. and XXIV.; the Sir Roger de Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Scott's Ivanhoe; Cooper's Last of the Mohicans; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner.

1903, 1904, 1905: Shakespeare's Merchant of Venice and Julius Cæsar; the Sir Roger de Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's The Princess; Lowell's The Vision of Sir Launfal; George Eliot's Silas Marner.

II. Study and Practice—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon the subject-matter, form, and structure.

The books set for this part of the examination will be:

1902: Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, Comus, and Lycidas; Burke's Conciliation with America; Macaulay's Essays on Milton and Addison.

1903, 1904, 1905: Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, Comus, and Lycidas; Burke's Conciliation with America; Macaulay's Essays on Milton and Addison. *Time requirement, the equivalent of four hours a week throughout two years.*

3. *Mathematics*—ALGEBRA, including factoring, common divisors and multiples, fractions, simple equations of one or more unknown quantities, involution, evolution, theory of exponents, radicals and equations involving radicals, quadratic equations with one or two unknown quantities, and equations solved like quadratics. Special attention should be given to the statement of problems in the form

of equations. GEOMETRY, plane and solid, including the solution of a large number of exercises and numerical problems.

It is recommended that the work in Mathematics in preparation for college be extended over the whole four years of the high school course, and especially that at least two hours a week be given to this subject in the last year. A good arrangement is the following: First year, four hours a week, algebra; second year, four hours a week, plane geometry; third year, two hours a week, solid geometry; fourth year, two hours a week, algebra, reviewing and making a thorough study of quadratic equations and radicals. *Time requirement, the equivalent of five hours a week throughout two years.*

4. *History*—ANCIENT HISTORY with special reference to Greece and Rome, Myer's Ancient History, or an equivalent, with supplementary reading. *Time requirement, four or five hours a week throughout one year.*

NOTE 1.—If a candidate cannot present a year of Ancient History, he may substitute for it either No. 27, 28, or 29, as described under Group C, or a year of General History, Myer's, or an equivalent.

NOTE 2.—Until September, 1902, two terms, five hours a week, of Ancient or General History and one term of United States History will be accepted as satisfying this requirement.

5. *Science*—PHYSICS, a course equivalent to that contained in Hall and Bergen's Text-book of Physics, Carhart and Chute's Elements of Physics, or Crew's Elements of Physics. The candidate must present evidence of familiarity with the general principles of physical science, especially the simpler principles and phenomena which are constantly illustrated in daily life, such as the pendulum, hydrostatics, water waves, pitch and intensity of sound, heat conduction, boiling, freezing, simple lenses, mirrors, prisms, magnets, lines of force, voltaic cells, galvanometers, etc. It is also required that a course of laboratory work shall have been pursued in connection with the text-book, equivalent to at least forty exercises from the Harvard list, or from Crew and Tatnall's Laboratory Manual of Physics, and that accurate notes descriptive of the experiments shall have been kept. *Time requirement, five hours a week throughout one year.*

NOTE 1.—If a candidate cannot present a year of Physics, he may substitute for it either a year of Physiography (No. 22), a year of Biology (No. 23, 24, or 25,) or a year of Chemistry (No. 26).

NOTE 2.—Until September, 1902, one term, five hours a week, of Physical Geography and one term of Human Physiology and Anatomy will be accepted as satisfying this requirement.

GROUP B.

8. *Greek*—(*a*) Grammar, White's First Greek Book, or an equivalent. *Time requirement, four or five hours a week throughout one year.*

9. *Greek*—(*b*) Xenophon's Anabasis, Books I, II, and III; Jones's Greek Prose Composition, or an equivalent, thirty lessons. *Time requirement, four or five hours a week throughout one year.*

10. *Greek*—(*c*) Anabasis, Book IV. Prose Composition, lessons thirty to forty. Homer, Iliad or Odyssey, 1,800 lines. *Time requirement, four or five hours a week throughout one year.*

11. *Latin*—(*a*) Grammar; Cæsar's Gallic War, ten pages, or twenty pages of Viri Romæ, with retranslation of English into Latin. *Time requirement, five hours a week throughout one year.*

12. *Latin*—(*b*) Cæsar's Gallic War, four books completed; Latin Composition. *Time requirement, five hours a week throughout one year.*

13. *Latin*—(*c*) Cicero, six orations, including the Manilian Law; Latin Composition. *Time requirement, five hours a week throughout one year.*

14. *Latin*—(*d*) Vergil, six books of the Æneid, with test in sight reading of two additional books of the Æneid or the Bucolics. *Time requirement, five hours a week throughout one year.*

The amount of reading in Latin, as specified in the foregoing sections, indicates the extent of the work of preparation required in this subject. Equivalents may be offered for a portion of the selections designated, and evidence of thoroughness of preparation in the work actually accomplished may offset a limited measure of deficiency in amount.

NOTE.—Until September, 1902, *four* units of Latin and *two* units selected from Nos. 21, 22, 23, 24, 25, 26 of Group C will be accepted as satisfying requirements (2) and (3) on page 55.

15. *French*—(*a*) Correct pronunciation; elementary grammar, with exercises, including the irregular verbs; the reading of from one hundred and fifty to two hundred pages of easy French prose. *Time requirement, five hours a week throughout one year.*

16. *French*—(*b*) Elementary grammar completed; easy composition, based upon one of the works read; the reading of two hundred and fifty to three hundred pages of French prose. *Time requirement, five hours a week throughout one year.*

17. *French*—(*c*) Study of the difficulties of French syntax and idioms; translations into French from text-book and easy original compositions; the reading of not less than six hundred pages of at least five standard authors; ability to take grammatical dictations and to understand and answer questions in French. *Time requirement, four or five hours a week throughout one year.*

18. *German*—(*a*) Pronunciation; the memorizing and use of easy colloquial sentences; the rudiments of grammar (inflection of the articles, ordinary nouns, adjectives, pronouns, weak verbs, and the more usual strong verbs; the use of the more common prepositions;

the simpler uses of the modal auxiliaries and the elementary rules of syntax and word-order); abundant easy exercises; the reading of seventy-five to one hundred pages of graduated texts. *Time requirement, four or five hours a week throughout one year.*

19. *German*—(*b*) The reading of from one hundred and fifty to two hundred pages of literature in the form of easy stories and plays; translation into German of matter based upon works read; continued drill upon rudiments of grammar. *Time requirement, four or five hours a week throughout one year.*

20. *German*—(*c*) The reading of about four hundred pages of moderately difficult prose and poetry; retranslation into German; grammatical drill upon the less usual strong verbs; the use of articles, cases, auxiliaries, tenses and modes, word-order and word-formation. *Time requirement, four or five hours a week throughout one year.*

NOTE.—A single unit of a modern language will be accepted for entrance only on condition that the candidate shall continue the study of that language through a second year. After September, 1902, this regulation will apply also to Greek and Latin.

GROUP C.

21. *Mathematics*—ALGEBRA, including ratio and proportion, variation, progressions, permutations and combinations, binomial theorem, logarithms and their application to interest and annuities, introduction to determinants, theory of equations and series, as in Wells's College Algebra, or Hall and Knight's Elementary Algebra, or a full equivalent. PLANE TRIGONOMETRY, including the solution of oblique triangles. Consistent employment of ratio definitions of the trigonometric functions is expected, also the ability to verify numerical computations. *Time requirement, five hours a week throughout one year.*

22. *Physiography*—A study of the subjects usually given in courses in physical geography—the earth as a planet, the atmosphere, the climate, the ocean, and the land. Emphasis is to be placed upon the land, especially upon the topographic features, their origin and their significance. Some recent text-book should form the basis for the course, and the text-book should be supplemented by the study of maps, of models, and of the features of the earth's surface in the vicinity of the school. *Time requirement, four or five hours a week, throughout one year.*

23. *General Biology*—The study of typical animals and plants by laboratory methods covering the facts of morphology and physiology. This requirement may be met by a course such as that laid down in Boyer's Elementary Biology, or in Colton's Practical Zoölogy, and Atkinson's Lessons in Botany. In all cases special pro-

vision should be made for laboratory work, and accurate notes and drawings should be made by the student. Teachers in accredited schools reporting to the University should designate the quality of the laboratory work as a separate item, in addition to that of the class-room work. *Time requirement, five hours a week throughout one year, including not less than one hundred and forty hours of laboratory work and two class-room periods a week.*

24. *Botany*—The study of plants as living organisms, with special regard to function, structure, and relation to environment. Each recitation or quiz period should be preceded by four hours of laboratory work. Atkinson's Lessons in Botany and Bergen's Foundations of Botany are satisfactory texts. Each pupil should individually perform the experiments and demonstrations, and should keep a neat and accurate notebook showing the work done by himself and the conclusions reached. *Time requirement, four hours a week throughout one year.*

25. *Zoölogy*—One year's study of animal structure, habits, and general life-history will be accepted as a full item of credit for entrance, provided it has been done by the laboratory method. Conditions for undertaking this work vary too widely to make it desirable to designate either an outline or text-books. Teachers competent to carry on such a course for a full year will have their own method, and the material used will also vary. Colton's Practical Zoölogy and Parker and Haswell's Manual of Zoölogy (the latter for supplementary reading) will be suggestive. Emphasis should be placed on training in observation and accuracy in drawing and expression in the notebooks. To meet the requirements in this course there should be not less than 150 hours of laboratory work, besides two class-room periods a week throughout the year.

26. *Chemistry*—This course should occupy not less than four periods a week through a year, which should allow at least eight hours of the student's time for the subject. Laboratory work should be made an essential feature of the study, and this may well take one-half the total time assignment. Careful and systematic notes of his individual work should be made by the student. Some work in quantitative experiments is recommended as extremely desirable both for training and in order to illustrate the fundamental laws. Purely descriptive work may better be limited to comparatively few elements and compounds rather than extended to a larger list with resulting confusion to the student.

27. *Mediæval and Modern European History*—Myers' Mediæval and Modern History, or an equivalent, with supplementary reading. *Time requirement, four or five hours a week throughout one year.*

28. *English History*—A study of the political and constitutional

development of England. *Time requirement, four or five hours a week throughout one year.*

29. *American History and Civil Government*—Channing's Students' History of the United States, or an equivalent. James and Sanford's Civil Government, or an equivalent. *Time requirement, four or five hours a week throughout one year.*

NOTE.—Candidates are recommended to offer one of the units of History as described above, as it is believed that better educational results are obtained by devoting a full year to one of these periods. But until further notice a unit of credit will be given for a year's work devoted to any two of these divisions, or a unit of credit will be given for a year devoted to General History.

30. *Political Economy*—Macvane's Political Economy, or its equivalent. *Time requirement, four or five hours a week throughout one year.*

GROUP D.

Instead of a full year's work in one science, the equivalent of four terms' work, each of five hours a week, from the subjects in this group will be accepted, until further notice, for one unit of credit under Group C; but students are strongly advised to make choice of one subject and pursue it through the year.

31. *Botany*—A practical knowledge of the general facts of plant life, such a course as is outlined in Atkinson's Lessons in Botany.

32. *Zoölogy*—A study of various animal types founded upon laboratory work such as that prescribed in Part I, Boyer's Elementary Biology.

33. *Physics*—Elements of Physics, Crew's, first four chapters, or an equivalent.

34. *Astronomy*—Young's Elements.

35. *Geology*—Dana's Revised Text-book of Geology, or Tarr's Elementary Geology, or an equivalent.

36. *Chemistry*—Remsen's Elementary Course, or an equivalent. It is urgently recommended that laboratory work by the student accompany this study.

37. *Drawing*—Elements of Free-Hand and Geometrical Drawing; such a knowledge of the subject as may be gained by practice under instruction two hours a week through one year.

38. *Human Physiology*—Martin's Human Body, briefer course, or an equivalent.

39. *Physical Geography*—Some recent text-book.

40. *History of England*—Montgomery's, or an equivalent.

41. *Civil Government*—James and Sanford's, or an equivalent.

In special cases, where candidates are unable to meet the requirements relating to specific subjects but can present the full equivalent of the *total* requirement for admission, they may by vote of the Faculty or the Board of Examiners be admitted as regular students; but this regulation will not release a candidate for a degree from any of the specified studies required for that degree, as described on pages 69 and 70.

EXAMINATION FOR ADMISSION.

The regular days of examination for admission to the College of Liberal Arts are the Monday and Tuesday next preceding Commencement, and the Monday and Tuesday next preceding the opening of the college year. The first regular examination for the year 1902 will be held on June 16 and 17; the second will be held on September 22 and 23. Candidates may be examined and admitted at other times, if prepared to enter classes at an advanced point in the regular courses, they are advised, however, to enter at the beginning of a year.

On the dates above named, examinations will be held in the following order in Room 10, University Hall.

Plan for Entrance Examinations, 1902.

MONDAY, JUNE 16 AND SEPT. 22.

8 A.M., Subjects 8, 9, 10, 15, 16, 17, 32, 41.
10 A.M., Subjects 11, 12, 21, 34, 35.
2 P.M., Subject 4.
3 P.M., Subjects 5, 38, 39.
4 P.M., Subjects 22, 33, 36.

TUESDAY, JUNE 17 AND SEPT. 23.

8 A.M., Subject 3.
10 A.M., Subjects 18, 19, 29, 30.
11 A.M., Subjects 13, 14, 20, 23, 26, 28, 31, 40.
2 P.M., Subject 1.
3 P.M., Subject 2.
4 P.M., Subjects 24, 25, 27.

CERTIFICATES.

A candidate for admission, whether coming from an accredited school or not, must present to the Board of Exam-

iners a certificate from the principal of the last school attended, and a letter of recommendation. This certificate must show the studies pursued in the school, the time spent in each, the text-book or manual used, the extent of work covered, the grade of the student's work, and the date (approximate) of the final examination. Blank forms for this certificate will be furnished on application to the Registrar. The certificates should be placed in the hands of the Registrar one week prior to the date fixed for examination.

ADMISSION FROM ACCREDITED SCHOOLS.

Students who come from an accredited academy or high school may be admitted on certificate without examination (except in the English Language), provided they present themselves for admission not later than a year and three months after graduation from their school. In case the preparation of a student admitted on certificate is found, in the first semester, to be unsatisfactory, he will be required to complete his preparation in a fitting-school or in such other way as his instructors may designate.

ACCREDITED SCHOOLS.

School-boards desiring to have their schools placed on the accredited list should make application to the President of the University, who will provide, if practicable, for a proper inspection by committee. The following information will be expected in the letter of application:

a. The names of all the teachers, with a statement both of their preparation for teaching and of their experience in that work.

b. The latest printed catalogue or annual report of the school, containing an outline of the course of study and text-books used.

c. A careful statement of the methods pursued in teaching Mathematics, Language, and the Sciences.

d. The amount and kind of scientific apparatus and the extent of library facilities accessible to students.

The committee of inspection will ordinarily consist of one or more members of the Faculty, but in cases where the school is so distant from the seat of the University as to make this

impracticable, other persons may be appointed to perform the work of inspection under the direction of the Faculty.

The schools which are approved by the Faculty after inspection will be placed on the accredited list, and the relation thus established will continue for three years, unless the Faculty within this period becomes satisfied that such changes have occurred as make further inspection desirable.

The following schools are now on the accredited list:

School.	*Principal or Superintendent.*
Aurora, East Side High School,	W. F. Geiger.
Aurora, West Side High School,	Katharine Reynolds.
Beloit, Wis., Beloit College Academy,	A. W. Burr.
Beloit, Wis., High School,	F. E. Converse.
Belvidere, North Side High School,	Arthur J. Snyder.
Belvidere, South Side High School,	Montgomery Moore.
Bloomington, High School,	E. L. Boyer.
Blue Island, High School,	J. E. Lemon.
Bushnell, High School,	W. H. H. Miller.
Canton, High School,	Charles Aldrich.
Centralia, High School,	J. L. Hughes.
Charleston, High School,	W. Wallis.
Chicago, Austin High,	Geo. H. Rockwood.
Calumet High,	Avon S. Hall.
Englewood High,	James E. Armstrong.
English High & Manual Training,	Albert R. Robinson.
Hyde Park High,	Charles W. French.
Jefferson High,	Charles A. Cook.
Lake High,	Edward F. Stearns.
Lake View High,	B. F. Buck.
Marshall High,	Louis J. Block.
Medill High,	E. C. Rosseter.
North Division High,	Oliver S. Wescott.
Northwest Division High,	Franklin P. Fisk.
South Chicago High,	Charles I. Parker.
South Division High,	Spencer R. Smith.
West Division High,	George M. Clayberg.
Chicago, University School,	E. C. Coulter.
Cleveland, O., East High School,	B. U. Rannells.
Clinton, Ia., High School,	J. S. McCowan.
Clinton, Wis., High School,	R. E. Loveland
Clyde, Township High School,	H. V. Church.
Council Bluffs, Ia., High School,	F. C. Ensign.

School.	*Principal or Superintendent.*
Crown Point, Ind., High School,	Mattie B. Matheny.
Danville, High School,	B. A. Sweet.
Decatur, High School,	S. W. Ehrman.
Denver, Colo., High School, Dis. No. 1,	Wm. H. Smiley.
Des Moines, Ia., North High School,	W. E. D. Rummel.
Des Moines, Ia., West High School,	W. A. Crusinberry.
Dixon, High School,	Charles W. Groves.
Dubuque, Ia., High School,	J. T. Gochenauer.
Evanston, Township High School,	Henry L. Boltwood.
Evanston, University Academy,	Herbert F. Fisk.
Elgin, Academy,	George N. Sleight.
Elgin, High School,	Earl J. Kelsey.
Epworth, Ia., Epworth Seminary,	H. R. DeBra.
Fond du Lac, Wis., High School,	Elizabeth Waters.
Freeport, High School,	Sigel E. Raines.
Galena, High School,	J. W. Cupples.
Geneseo, Public High School,	H. H. Frost.
Harvey, Thornton Township High School,	J. E. Cable.
Havana, High School,	J. R. Sparks.
Highland Park, Deerfield Township High School,	W. A. Wilson.
Indianapolis, Ind., Shortridge High School,	George W. Hufford.
Jacksonville, High School,	Hugh S. Weston.
Joliet, Township High School,	J. Stanley Brown.
Kankakee, High School,	I. E. Neff.
Kansas City, Mo., Central High School,	I. I. Cammack.
Keokuk, Ia., High School,	A. A. Reed.
Kewanee, High School,	T. M. Birney.
Kidder, Mo., Kidder Institute,	George W. Shaw.
LaCrosse, Wis., High School,	W. R. Hemmenway.
Lake Geneva, Wis., High School,	John N. Foster.
Lanark, High School,	C. O. DuBois.
LaSalle, Township High School,	Charles A. Farnam.
Lincoln, High School,	B. E. Nelson.
Mattoon, High School,	Will A. Marlow.
Marengo, High School,	G. N. Snapp.
Maryville, Mo., Maryville Seminary,	Charles O. Mills.
Mendota, West Side High School,	C. G. Griswold.
Milwaukee, Wis., Milwaukee Academy,	J. Howard Pratt, Jr.
Milwaukee, Wis., East Division High School,	Arthur Burch.

School.	*Principal or Superintendent.*
Milwaukee, South Division High School,	Edward Rissman.
Milwaukee, West Division High School,	Charles E. McLenegan.
Minneapolis, Minn., Central High School,	John N. Greer.
Moline, High School,	J. H. Heil.
Mt. Carroll, High School,	Lillian H. Deming.
Muscatine, Ia., High School,	E. F. Schall.
Oak Park, Township High School,	John C. Hanna.
Odell, High School,	L. T. Earnheart.
Onarga, Grand Prairie Seminary,	Frank G. Barnes.
Oregon, High School,	E. S. Hady.
Ottawa, Township High School,	J. O. Leslie.
Peoria, High School,	A. W. Beasley.
Plano, High School,	J. R. Freebern.
Plattsmouth, Neb., High School,	John G. McHugh.
Polo, High School,	S. Manson Abbott.
Pontiac, Township High School,	J. Edward Bangs.
Princeton, Township High School,	D. O. Barto.
Quincy, High School,	David B. Rawlins.
Racine, Wis., High School,	E. W. Blackhurst.
Riverside, High School,	Edward L. Hardy.
Rockford, High School,	B. D. Parker.
Rock Island, High School,	J. F. Darby.
St. Paul, Minn., Cleveland High School,	S. A. Farnsworth.
Sandwich, High School,	W. W. Woodbury.
Sioux City, Ia., High School,	George E. Marshall.
Sioux Falls, S. D., High School,	H. L. Wilson.
Sparta, Wis., High School,	F. E. Doty.
Springfield, City High School,	L. M. Castle.
Sterling, Township High School,	O. L. Miller.
Streator, Township High School,	S. B. Hursh.
Tuscola, High School,	W. D. Higdon.
Warren, Warren Academy,	H. B. Humphrey.
Warren, Pa., High School,	W. L. MacGowan.
Waukegan, High School,	Webster J. Stebbins.
Wheaton, High School,	Ella M. Gregg.
Whitewater, Wis., High School,	W. W. Martin.
Wichita, Kas., City High School,	B. F. Dunkin.
Wilmette, New Trier Township High School,	Frank L. Smart.
Winona, Minn., High School,	Wm. A. Bartlett.

Schools in California, Indiana, Iowa, Kansas, Michigan, Minnesota, Nebraska, Ohio, and Wisconsin, that are on the ac-

credited list of the State Universities of their respective states will be recognized as if accredited by this University.

SPECIAL STUDENTS.

On recommendation of a committee of the Faculty, persons of serious purpose and mature years may be admitted as special students to pursue selected studies. The work taken will be under the supervision and control of the committee. Applications for admission as special students must be accompanied by evidence of sufficient qualification to carry on the proposed work to advantage. Blank forms of application may be obtained of the Registrar.

ADMISSION TO ADVANCED STANDING.

Candidates for advanced standing are not admitted later than September of the collegiate year in which they expect to graduate. Students from other colleges must present evidence of honorable dismission, and must give satisfactory proof of preparation for the courses which they desire to enter. They should bring official certificates showing their grade of credits for the subjects which they have pursued, also the number of weeks and the number of hours per week the respective studies were taken.

ADMISSION OF WOMEN.

Women are admitted to the College of Liberal Arts on substantially the same conditions as men. Unless special exemption from the rule is granted, they room in one of the Halls provided for them. Willard Hall is under the oversight of the Dean of Women, who lives in the building, and associates with the residents as a friend and adviser. Pearsons Hall and Chapin Hall are in charge of an association of ladies, incorporated as the Woman's Educational Aid Association, who consider the claims of all applicants for admission, and have a friendly supervision over them while inmates of these halls. The ordinary work of Pearsons and Chapin Halls is done by the young women under the direction of a competent

Matron. In this way the expenses of living are materially reduced.

All women students, wherever they reside, are expected to conform to the general regulations prescribed for the conduct of those living in the Halls.

NOTE.—For further information respecting Willard Hall, letters of inquiry should be addressed to Dean of Women, Willard Hall, Evanston, Ill.; and for information respecting Pearsons or Chapin Hall, letters should be addressed to Mrs. J. A. Pearsons, President of the Woman's Educational Aid Association, Evanston, Ill.

FACULTY ADVISERS.

Every undergraduate student on entering college is assigned to some member of the Faculty, who is to act as his adviser and give him helpful counsel relating to his college life. He is required to submit his choice of studies to his adviser and obtain approval of the same before completing his registration for college work. As soon as the student makes choice of the department in which he is to do his major work, the professor at the head of that department becomes his adviser. The time and place at which the adviser may be consulted are announced on the official bulletin-board at the beginning of the academic year.

PROGRAMS OF STUDY.

NOTE.—The annual courses designated by capital letters are hereinafter described. The time assignment is in hours a week for a year.

As a condition of graduation, the student is required to complete 120 semester-hours, including courses prescribed for the degree sought and major work in at least one department. In addition to prescribed studies, elective work to make a total of fifteen hours a week is required. Four years will usually be necessary for the satisfactory accomplishment of the work for graduation.

Prescribed courses take precedence of elective courses, and in the order designated in the programs. Modifications of these programs, permitted because of substitutions allowed in entrance requirements, may be made at the time of registration, but the full amount of required work must be

completed before graduation. Having begun an elective course the student is expected to continue it through the year.

The programs of prescribed year-courses leading to the several degrees, also the hours a week assigned to each, and the years in which they should generally be taken, are given below.

FOR THE DEGREE OF BACHELOR OF ARTS.

First Year.—English Language A,	- -	three hours.
Greek A,	- - -	four hours.
Latin A,	- - - -	four hours.
Mathematics, A or AB,	-	four or five hours.
Second Year.—French AA or German AB,	-	five or four hours.
Two of the following three items:		
(1) Greek B,	- -	three hours.
(2) Latin B,	- - -	three hours.
(3) Mathematics B or C,	-	three hours.
Third or Fourth Year.—		
English Literature I,	- -	one hour.
Philosophy E,	- -	one hour.

NOTE.—For those who enter without Greek, courses AA and AB in Greek become prescribed work, to be completed before taking Greek A. The equivalent of Latin (*a*), (*b*), (*c*) and (*d*), is required for admission to Latin A.

FOR THE DEGREE OF BACHELOR OF PHILOSOPHY.

First Year.—English Language A,	- -	three hours.
French A or German A,	-	four hours.
Greek A or Latin A,	- -	four hours.
Mathematics A or AB,	-	four or five hours.
Second Year.—Two items of the following three:		
(1) French B or German B,	-	three hours.
(2) Greek B or Latin B,	-	three hours.
(3) Mathematics B or C,	-	three hours.
The one of the following courses not already taken:		
French AA, German AB,	-	five or four hours.
Third or Fourth Year.—		
English Literature I,	- -	one hour.
Philosophy E,	- -	one hour.

NOTE.—For those who enter without Greek and desire to elect Greek in the options above indicated, the courses AA and AB in Greek (p. 90) become prescribed work, to be completed before taking Greek A. The equivalent of Latin (*a*), (*b*), (*c*) and (*d*), (p. 58) is required for admission to Latin A. The equivalent of French AA is required for admission to French A, and of German AB for admission to German A.

FOR THE DEGREE OF BACHELOR OF SCIENCE.

First Year.—English Language A,	- -	three hours.
French A or German A,	-	four hours.
Chemistry A, or Physics A, or Zoölogy A,	- - -	four hours.
Mathematics A, or AB,	-	four hours.
Second Year.—The one of the two following items not already taken:		
French A, German A,	- -	four hours.
One item from the seven following not already taken:		
Botany A, Chemistry A, Geology A, Mathematics B, BB or C, Mineralogy A, Physics A, Zoölogy A,	- - -	three or four hours.
One item of the four following:		
English Literature A, History, Philosophy A, Political Economy A,	- - - -	three hours.
Third or Fourth Year.—		
English Literature I,	- -	one hour.
Philosophy E,	- -	one hour.

NOTE.—The completion of courses AA and A, in French, or their equivalent; and of courses AB and A, in German, or their equivalent, either before or after admission to college, is a requirement for this degree, except that French A or German A may be omitted if preparation for admission has included Latin (a), (b), and (c), or Greek (a), (b), and (c). One science of the first group and another of the second group are required.

FOR THE DEGREE OF BACHELOR OF LETTERS.

This degree will not be given after June, 1904.

First Year.—English Language A,	- -	three hours.
French A,	- - -	four hours.
German A,	- - -	four hours.
Mathematics A or AB,	-	four or five hours.
Second Year.—English Language B,	- -	two hours.
English Literature A,	-	three hours.
English Literature B or C,	-	two hours.
French B,	- - -	three hours.
German B,	- - -	three hours.
Third or Fourth Year.—		
Philosophy E,	- -	one hour.

NOTE.—The completion of courses AA, and A, and B, or their equivalent, in French, and of courses AB, and A, and B, or their equivalent, in German, either in preparation or in college, is a requirement for this degree.

COURSES OF INSTRUCTION.

The courses of instruction are subject to change from year to year. Those given during the year 1901–1902 are described below.

The amount of credit towards graduation assigned to each course is expressed by the terms *one hour*, *two hours*, etc., *an hour of credit* being given for the satisfactory completion of work equivalent to one exercise a week during one semester.

The Faculty reserves the right to withdraw, at the beginning of a semester, the offer of any study not chosen by at least five persons.

ASTRONOMY AND METEOROLOGY.

A—*Astronomy; Meteorology.* 2 hours.

Tuesdays, Thursdays, 2.

Professor HOUGH.

First Semester.—General Astronomy.

Second Semester.—General Astronomy completed and Meteorology.

THE BIBLE.

A—*Introduction to the English Bible.* 2 hours.

Wednesdays, Fridays, 2.

Professor PATTEN.

First Semester.—How the Bible came to be. The evolution of the English Bible. The English of the Bible. The Bible and English literature.

Second Semester.— The Bible as literature. The relation of Hebrew life to Hebrew literature.

Lectures and required readings, with papers on the various topics considered.

Text used: The American Standard Revised Version. Moulton's Modern Readers' Bible.

B—*The Gospel of John.* 2 hours.

Tuesdays, Thursdays, 2.

Professor PATTEN.

First Semester.—John's Gospel in relation to the Synoptics.

Second Semester.—Christian Evidences from the standpoint of the character of Christ as developed in the Gospels.

Text: Cambridge Bible for Schools and Colleges.

Rowe's Manual of the Christian Evidences.

Nash's Ethics and Revelation.

C—*Biblical History.* 2 hours.

Wednesdays, Fridays, 3.

Professor PATTEN.

First Semester.—The World of the Patriarchs. History of the Hebrews from the Conquest to the Exile.

Second Semester.—History of the Jews, from the Exile to the Christian Era.

Lectures, required readings, and text. Kent's Historical series.

Open to students who have completed thirty hours.

D—*Acts of the Apostles and the Epistles.* 3 hours.

Tuesdays, Wednesdays, Thursdays, 4.

Professor PATTEN.

First Semester.—The Acts of the Apostles. An inductive study of the era of Apostolic Christianity, noting the life and institutions of the primitive church.

Second Semester.—Selected Pauline Epistles.

Text: Cambridge Bible for Schools and Colleges, with lectures and required readings.

E—*History of Religion.* 2 hours.

Thursdays, 3.

Professor PATTEN.

First Semester.—An inquiry into the origin of religion, with a survey of the principle religions of the world in their rise and development.

Text, with required readings and papers. Menzies' History of Religion.

Second Semester.—The History and Development of Christian Missions.

The main text in this course will be Warneck's History of

Protestant Missions which will be accompanied with lectures and required readings in selected mission history and literature.

Major work: Ten year-hours.

BIOLOGY.

General Biology.

See courses announced under BOTANY and ZOÖLOGY.

Major work in Biology may be either (a) Botany A, and Zoölogy A and C, or (b) Botany A and C, and Zoölogy A.

BOTANY.

A—*Biology of Plants.* 4 hours

Mondays, Fridays, 2–4; Tuesdays, Thursdays, 2.

Professor ATWELL, Miss TAYLER and Miss THAYER.

The course covers the biology, morphology and life-cycles of typical plants selected from the more important natural groups. Ecology and classification receive special attention during the month of May. Laboratory and field work, with quizzes and informal lectures. Atkinson's Elementary Botany.

This course was given as a three-hour course in 1901–2.

B—*Ferns, Mosses, Fungi, Algæ.* 3 hours.

Tuesdays, Thursdays, 2–4; Wednesdays, 2.

Professor ATWELL.

Comparative morphology of ferns, mosses, fungi and algæ. Laboratory work, lectures, and field work. No text-book. Books of reference are provided. Should be preceded by Course A, or an equivalent. May be taken with Course C.

C—*Physiology and Histology of Plants.* 2 to 5 hours.

Hours to be arranged in forenoons of Mondays, Wednesdays, Fridays.

Professor ATWELL and Miss TAYLER.

The course is experimental, and should be preceded by one course in botany or general biology. Course A in Chemistry is also very desirable. Detmer and Moor, Plant Physiology, Chamberlain's Manual of Plant Histology.

Courses A, B and C constitute a good preparation for teaching botany in secondary schools.

D—*Botanical Club.* 1 hour.

Wednesdays, 4.

Professor ATWELL.

Instructors and advanced students report upon and discuss important articles in current botanical literature.

E—*Special Problems in Plant Life.* 2 to 5 hours.

Hours to be arranged.

Professor ATWELL.

For advanced students special work will be laid out along lines of investigation of the life-history, morphology, and physiology of plants.

Major work: Ten year-hours.

CHEMISTRY.

A—*General Chemistry.* 4 hours.

Section I. Tuesdays, Wednesdays, Thursdays, 1:30–4.
Section II. Mondays, Fridays, 1:30–4.
Tuesdays, Thursdays, 1:30–2:30.

Professor YOUNG and Mr. GLOSS.

Lectures and laboratory work, which includes in the last of the course the introduction to Qualitative Analysis.

B—*Qualitative Analysis continued, and Organic Chemistry.* 4 hours.

Mondays, Fridays, 1:30–4: Wednesdays, 1:30–4:30.

Professor YOUNG.

Lectures, text, and laboratory work; the Organic Chemistry begins in January after the recess.

Course B open to those who have completed A.

C—*Quantitative Analysis: First Semester, Gravimetric; Second Semester, Volumetric.* 4 hours.

Tuesdays, Thursdays, 1:30–4:30; Wednesdays, 10–12.

Professor YOUNG and Mr. GLOSS.

Course C open to those who have completed A.

D—*Problems in the Application of Qualitative and Quantitative Analysis.* 2 hours.

Tuesdays, Thursdays, 10–12.

Professor YOUNG and Mr. GLOSS.

First Semester.—Examination of water, mainly from the sanitary standpoint.

Second Semester.—Examination of milk, butter, and other fats and oils.

Course D is open to those who have completed A, B, and C.

E—*Advanced Course.* 2 hours.

Professor YOUNG.

Students in D and others are offered an additional course of reading on somewhat advanced topics. The work has been based on Oswald's Outlines of General Chemistry.

Major work: A, B, and C.

ELOCUTION.

A—*First Course.* 2 hours.

Section I. Mondays, Wednesdays, 4.
Section II. Tuesdays, Thursdays, 4.

Professor CUMNOCK.

Russell's Manual of Elocution and Cumnock's Choice Readings are used. Instruction is given in the management and regulation of the breath; the proper use of the body in the development of vocal energy; the most advanced knowledge of English Phonation; the most approved methods of acquiring distinct articulation; the function of the natural and orotund voices; the application of force, stress, pitch, rate, quantity, and emphasis, and their importance in the dynamics of expressive speech; the use of inflection for the purpose of emphasis and melodious effect; the fundamental principles of gesture and their application. Specific instruction will be given as to how exhaustion of the body in speaking may be prevented; how sore throat, occasioned by an over-use or wrong use of the vocal organs, may be avoided; how harsh quality of voice may be removed, and pure musical quality acquired; how mannerisms in melody and inflectional forms may be remedied; how awkwardness in gesture may be conquered; what is the best time for vocal practice, and how it should be regulated.

B—*Study of Masterpieces of English Eloquence.* 2 hours.

Section I. Tuesdays, Thursdays, 8.
Section II. Wednesdays, Fridays, 8.

Professor CUMNOCK.

The chief object in Course B is to establish the student in the best literary and elocutionary form, by bringing him in contact with the most perfect models. In the second semester of this course the English of Shakespeare will be studied with the help of Abbott's Shakespearean Grammar.

C—*Principles of Vocal Expression.* 2 hours.

Mondays, Fridays, 9.

Professor CUMNOCK.

Course C is designed especially for the year of graduation. Great stress will be laid upon the acquisition of perfect form in common reading and oratorical address. The written productions required each semester will be carefully examined, and whenever needed, the class instruction in English style will be supplemented by personal advice and criticism.

D—*Bible, Hymn, and Liturgic Reading.* 2 hours.

Mondays, Fridays, 11.

Professor CUMNOCK.

As a result of the work in Course D, it is expected that the student will have the skill to read, with melodious effect and expressive power, the Bible, hymn book, and liturgy.

ENGINEERING. See PHYSICS.

THE ENGLISH LANGUAGE.

A—*Rhetoric; Synonyms. Eight Essays.* 3 hours.

Section I. Mondays, Wednesdays, Fridays, 8.
Section II. Mondays, Wednesdays, Fridays, 9.
Section III. Mondays, Wednesdays, Fridays, 10.
Section IV. Mondays, Wednesdays, Fridays, 11.
Section V. Mondays, Wednesdays, Fridays, 2.
Section VI. Mondays, Wednesdays, Fridays, 3.
Section VII. Mondays, Wednesdays, Fridays, 8.

Professor CLARK, Dr. KELLOGG, and Mr. ODELL.

First Semester.—A practical drill in the avoidance of the common violations of good style.

Second Semester.—Rhetorical imagery and synonyms. Required of all students in regular courses.

B —*Prose Masterpieces; Paragraphing.* 2 hours.

Section I. Tuesdays, Thursdays, 9.
Section II. Tuesdays, Thursdays, 10.

Professor CLARK.

First Semester.—A study of the diction and the distinctive characteristics of twenty-four great writers of prose.

Second Semester.—Paragraphing. The study of masterpieces continues till about April 1. Each member of the class in paragraphing writes two themes each week.

Open to all who have had Course A.

C—*Versification; Poetic Masterpieces.* 2 hours.

Wednesdays, Fridays, 9.

Professor CLARK.

First Semester.—A study of the mechanics of English versification.

Second Semester.—A study of the diction and the distinctive characteristics of twenty great poets. This work begins about November 1, during the first semester.

Open to all who have completed Course A.

D—*History of the English Language; Anglo-Saxon; Early English.* 2 hours.

Tuesdays, Thursdays, 3.

Professor CLARK.

After spending about three weeks in reviewing the history of the English language, the class takes up briefly the outlines of Anglo-Saxon grammar. The larger part of the college year is then devoted to the reading of selections from fifteen pre-Chaucerian authors, from Bæda to Gower, inclusive.

Open to all students who have completed Course A and at least one course in German.

E—*Forensics.* 2 hours.

Hours to be arranged.

Professor CLARK.

Open to all who have completed Course A. The class meets in small sections, and each member debates once a week on questions previously assigned. Reading references are given and briefs required.

F—*Editorial Writing.* 2 hours.

Wednesdays, Fridays, 10.

Professor CLARK.

Every member of the class writes two short articles each week during the college year.

Open to all who have had Courses A and B.

Major work: Courses A, B, C, either D or E, and F.

Greek F (a course in Greek literature in English) is recognized as a part of the major work in the English language for students who have not studied Greek.

ENGLISH LITERATURE.

A—*The History of English Literature from Chaucer to Tennyson.* 3 hours.

Section I. Mondays, Wednesdays, Fridays, 9.
Section II. Tuesdays, Thursdays, Fridays, 9.

Professor PEARSON.

First Semester.—English Literature from Chaucer to Dryden. Readings, text-book, and lectures.

Mr. GREENLAW.

Second Semester.—English Literature from Pope to Tennyson. Readings, text-book, and lectures.

B—*The History of American Literature from 1607 to 1900.* 2 hours.

Section I. Tuesdays, Thursdays, 8.
Section II. Tuesdays, Thursdays, 11.

Professor PEARSON.

First Semester.—American Literature from 1607 to 1837. Readings, text-book, and lectures.

Mr. GREENLAW.

Second Semester.—American Literature from 1837 to 1900 Readings, text-book, and lectures.

Given in alternate years.

C—*The Greater American Poets.* 2 hours.

Tuesdays, Thursdays, 8.

Professor PEARSON.

First Semester.—Longfellow, Lowell.
Second Semester.—Whittier, Emerson.
Omitted in 1901-1902.

D—*The English Drama.* 3 hours.

Mondays, Wednesdays, Fridays, 11.

Assistant Professor CROW.

First Semester.—The Earlier Drama; the Miracle and Morality plays; Interludes; Early Comedies and Tragedies; the immediate predecessors of Shakespeare.

Second Semester.—Selected Historical Dramas, Comedies, and Tragedies of Shakespeare.

E—*Narrative Poetry.* 2 hours.

Tuesdays, Thursdays, 11.

Professor PEARSON.

First Semester.—English and Scotch ballads and the poetry of Scott.

Professor STUART.

Second Semester.—Paradise Lost and Paradise Regained.
Given in 1901–2 and in alternate years.

F—*English Poetry in the Eighteenth Century.* 2 hours.

Wednesdays, Fridays, 11.

Professor PEARSON.

First Semester.—The Classicists: Pope and his contemporaries and successors.

Miss HUNT.

Second Semester.—The Romanticists: Burns, Wordsworth, Keats, Shelley, and Byron.
Given in 1901–2 and in alternate years.

G—*Tennyson.* 2 hours.

Tuesdays, Thursdays, 11.

Professor PEARSON.

Omitted in 1901–2.

H—*The English Essayists.* 2 hours.

Wednesdays, Fridays, 8.

Professor PEARSON.

First Semester.—Selected essays from Bacon, Addison, Johnson, Lamb, and De Quincey.

Second Semester.—Selected essays from Macaulay, Carlyle, Ruskin, Arnold, and Emerson.
Omitted in 1901–2.

I—*Lectures on the History of English Literature.* 1 hour.

Fridays, 9.

Professor PEARSON.

First Semester.—English literature from 449 to 1616.

Mr. GREENLAW.

Second semester.—English and American literature from 1607 to 1900.

This course is intended as a partial summary of the work of Course A. A small amount of collateral reading will be required. Credit for this course will not be given if Course A is also taken.

J—*The Development of the Novel in English.* 2 hours.

Tuesdays, Thursdays, 9.

Assistant Professor CROW.

First Semester.—Mediæval and Elizabethan prose narratives; the classic novelists.

Second Semester.—Study of selected nineteenth century novels; the short story.

FRENCH.

AA—*Elementary French.* 5 hours.

Daily—Section I. 8.
Section II. 9.
Section III. 11.
Section IV. 2.

Miss FREEMAN. Mr. LE DAUM.

Grammar (DeBordes). Reader (Whitney). La Grammaire (Labiche). Colomba (Mérimée). Baillot Brugnot's Composition. Voyage de M. Perrichon. Le Roi des Montagnes (About). Easy French History (Sicard). Simple dictations, private reading and composition.

This course may not be taken to remove language requirements for admission.

A—*Modern French.* 4 hours.

Mondays, Tuesdays, Thursdays, Fridays.
Section I. 10.
Section II. 11.

Professor BAILLOT. Miss FREEMAN.

Baillot-Brugnot's Composition. Advanced Grammar. Reading. Easy French History (Sicard). La Joie fait Peur (Madame de Girardin). Les Doigts de Fée (Eugène Scribe). On rend l'Argent (Coppée). Contes de Daudet (Freeborn). Le Monde où l'on s'Ennuie (Pailleron).

Contes de Maupassant (White). Quatre-Vingt Treize (Victor Hugo). French Lyrics (Canfield). Le Pater (Coppée). Hernani (Hugo). Private reading: Selections from Loti (Cameron). Lessons in Idiomatic French (Hennequin). Essays.

Open to all who have completed AA. Classical and Philosophical students may elect this as a four-hour course, omitting the Composition. Scientific students may, in the second term, substitute for Lyrics and Drama a special course in scientific reading.

B—*Classic Literature of the 17th and 18th Centuries.* 3 hours.

Mondays, Wednesdays, Fridays, 8 and 9.

Professor BAILLOT.

First Semester, 17th Century Composition. (Grandgent.)

Le Cid, Polyeucte, (Corneille). Athalie, (Racine). Le Misanthrope, L'Avare (Molière).

Collateral reading: La Société Française au 17e Siècle (Crane). Dictations and short lectures on the classic literature.

Second Semester, 18th Century. Gil Blas (Lesage). Zaïre and letters, (Voltaire). Le Barbier de Séville and letters (Beaumarchais). A study is also made of the other authors of the eighteenth century. This course is a continuation of the first semester, Course B, and is open only to students having had that course. Exercises on French Syntax.

C—*General Review of French Literature.* 2 hours.

Tuesdays, Thursdays, 1.

Professor BAILLOT.

Demogeot's French Literature and Le Seizième Siècle en France (Darmesteter and Hatzfeld) will be used as text-book, and collateral reading is assigned by the instructor. Dictations. Compositions.

D—*Recent French Literature.* 2 hours.

Tuesdays, Thursdays, 9.

Professor BAILLOT.

Study of the literature of the Nineteenth Century, taking as a basis George Pellissier's Le Mouvement Littéraire au XIXe Siècle. Collateral reading. This course is given in French. Open only to students who have had Course B.

E—*Advanced French.* 2 hours.

Wednesdays, 8.

Professor BAILLOT.

The topics considered will be closely related to those of Courses C and D; but students will be expected to carry on special studies with prepared papers. For 1901–1902 the assigned topics have been the poets of the second half of the Nineteenth Century.

F—*Old French and Early French Literature.* 1 hour.

Day and hour to be arranged.

Professor BAILLOT.

Open only to students having had Courses B and C or D. Omitted in 1901-1902.

G—*Scientific French.* 3 hours.

Hours to be arranged.

Miss FREEMAN.

Herdler's Scientific French. Articles from scientific periodicals.

H—*Conversation with Private Reading.* 1 hour.

Wednesdays, 2 to 4.

Professor BAILLOT.

Advanced Conversation. Conversation with private reading. Open to those who have had AA, but registration to be subject to the approval of the head of the department.

Le Cercle Français meets on alternate Wednesdays at 7:30 p. m., and is open to all students having completed courses AA and A.

J—*Conversation.* 1 hour.

Tuesdays and Thursdays, 9.

Miss FREEMAN.

Le Français Pratique (Bercy). Private Reading. Open to those who have had or are having AA.

Major work: Nine year-hours, besides courses AA and A.

GEOLOGY.

A—*General Geology; Physiography.* 3 hours.

Mondays, Wednesdays, Fridays, 10.

Professor GRANT.

A general introduction, including dynamical, structural and historical geology, followed by physiographic geology and the physiography of the United States. Lectures, recitations, readings, and the study of specimens, maps and models. Course C may be taken conveniently in connection with Course A.

In this course, and in the other courses in geology, part of the work consists of excursions taken into the adjacent country for the study of geological phenomena in the field.

A knowledge of the elements of chemistry will be advantageous to those taking courses in geology, and will be necessary for those who take a major in geology.

B—*Elements of Geology; Geography.* 1 hour.

Tuesdays, 11.

Professor GRANT.

This course will be discontinued after June, 1902, and the following course will be offered instead:

B—*Economic Geology.* 2 hours.

Tuesdays, Thursdays, 11.

Professor GRANT.

The materials of economic importance obtained from the earth's crust are to be studied from the standpoints of geological relations, origin, geographical distribution, exploration, use, etc. The chief subjects considered are coal, natural oil and gas, building materials, soils, ores of the important metals (such as iron, copper, silver, gold), and water supply.

Open to those who have completed Geology A or Mineralogy A. The second semester of Course B may be taken without the first.

C—*Practical Geology.* 2 hours.

Tuesdays, Thursdays, 10.

Professor GRANT.

A more extended study than is given in Course A of important topics of dynamical and structural geology; methods of geological work; preparation of a geological and topographical map of a small area. Owing to the nature of the work, part of the time devoted to this course must be given on afternoons or Saturdays instead of at the hours mentioned above.

Open to those who are taking or who have completed Course A. The second semester of Course C may be taken without the first.

D—*Paleontology; Historical Geology.* 2 hours.

Hours to be arranged.

Professor GRANT.

First Semester.—Paleontology. A discussion of the principles of paleontological geology and a study of the more important groups of fossils.

Second Semester.—Historical Geology. A study of historical geology, with special reference to the stratigraphy of the United States, the development of the North American continent, and the life characteristic of the different periods.

Open to those who have completed Course A.

E—*Petrography.* 3 hours.

Lectures, Tuesdays, 8.

Hours for laboratory work to be arranged.

Professor GRANT.

The first part of the course is devoted to the study of the common rock-forming minerals by means of the petrographical microscope, and the second part is devoted to the study of the more important rocks from the standpoints of texture, composition, classification, genesis, geological occurrence, and means of investigation.

Open to those who have completed Geology A or Mineralogy A.

NOTE:—It is expected that of Courses B, D, and E no more than two will be given in any one year. Students desiring to take any of these courses should consult with the instructor before registering.

F—*Advanced Course.*

Hours and time to be arranged.

Professor GRANT.

Students who have completed certain of the preliminary courses may take up the study of some particular phase of geology, or of the geology of some particular district.

PRIMARILY FOR GRADUATE STUDENTS.

G—*Pre-Cambrian Geology.*

Hours and time to be arranged.

Professor GRANT.

A study and discussion of the principles and methods used in investigating the non-fossiliferous rocks, especial attention being paid to metamorphism. Followed by a study of the geology of the Lake Superior region, with special reference to the formations which contain the extensive deposits of copper and iron ores.

H—*Research Work.*

Hours and time to be arranged.

Professor GRANT.

Investigation along certain lines, especially the investigation of the geology of some particular district. The results of the work are to be presented in the form of a thesis.

Major work: Ten year-hours, which may include Mineralogy A.

GERMANIC LANGUAGES AND LITERATURES.

(Other than English.)

AA—*Elementary Course.* 5 hours.

Mondays, Tuesdays, Wednesdays, Thursdays, Fridays, 2.

Mr. EDWARD.

Pronunciation, grammar, selections in prose and verse, German composition. Open to those who have less than 15 year-hours college credit.

This course may not be taken to remove language requirements for admission.

AB—*Elementary Course.* 4 hours.

Section I, Mondays, Tuesdays, Thursdays, Fridays, 8.
Section II, Mondays, Tuesdays, Thursdays, Fridays, 10.

Professor CURME (Section I). Dr. SIMPSON (Section II).

Pronunciation, grammar, selections in prose and verse, German composition.

This course may not be taken to remove language requirements for admission.

A—*Intermediate Course.* 4 hours.

Section I, Tuesdays, Wednesdays, Thursdays, Fridays, 9.
Section II, Tuesdays, Wednesdays, Thursdays, Fridays, 10.
Section III, Tuesdays, Wednesdays, Thursdays, Fridays, 11.

Dr. SIMPSON (Section I). Mr. EDWARD (Sections II and III).

First Semester.—Lessing's *Minna von Barnhelm* and *Emilia Galotti;* German lyrics and ballads; Schiller's *Wilhelm Tell;* German composition once a week.

Second Semester.—Lyrics and ballads; Schiller's *Maria Stuart;* Goethe's *Hermann und Dorothea;* German composition.

Open to those who offer "a" and "b" for entrance, and to those who have completed AA or AB.

BB.—*Classical Prose and Poetry; Composition.* 4 hours.

Mondays, Tuesdays, Thursdays, Fridays, 8.

This course is planned especially for those students who have had three years' secondary work in German.

Dr. SIMPSON.

B—*Literature Associated with the Thirty Years' War.* 3 hours.

Section I, Mondays, Wednesdays, Fridays, 8.
Section II, Mondays, Wednesdays, Fridays, 11.
Section III, Mondays, Wednesdays, Fridays, 2.

Professor HATFIELD and Professor CURME (Section II).

First Semester—Schiller's *Dreissigjähriger Krieg* and *Wallenstein.*

Second Semester—Freytag's *Rittmeister von Alt-Rosen* and *Aus dem Jahrhundert des grossen Krieges;* Scheffel's *Trompeter von Säkkingen.*

Course H may suitably be combined with this course.

Open to those who have taken Course A. Course B may be taken a second time, with new subjects, for a credit of two hours.

C—*German Literature.* 3 hours.

Mondays, Wednesdays, Fridays, 3.

Professor HATFIELD.

First Semester.—German literature from Luther to Goethe. Lectures, and reading of works by Luther, Sachs, Logau, Hagedorn, Kleist, Gellert, Gleim, Klopstock, Lessing, Wieland, Gerstenberg, Bürger, and Voss.

Second Semester.—Heine, Platen, and Geibel.

This course naturally follows Course B. The ability to read and interpret German works by an effective oral rendition of the original, as well as to understand lectures delivered in German, is pre-supposed.

Not given in 1902–1903.

D—*Goethe and Schiller.* 3 hours.

Mondays, Wednesdays, Fridays, 3.

Professor HATFIELD.

First Semester.—Goethe's life and works, 1790–1832.

Second Semester.—Schiller's life and works.

Open to those who have completed Course B, under the conditions mentioned under Course C.

Given in 1902–1903.

E—*Advanced Group.* 2 hours.

Tuesdays, Thursdays, 8. (Subject to change.)

Professor HATFIELD.

The principles of literary criticism, applied especially to Goethe and Schiller; study of the history of their works from the sources. It is very desirable to pursue Course D in connection with this course, which is intended chiefly for advanced and graduate students. In all cases enrollment will be at the discretion of the instructor. As far as opportunity allows, suitable original work will be brought to publication.

F—*Goethe's Life and Works, 1749–1790.* 2 hours.

Tuesdays, Thursdays, 3.

Dr. SIMPSON.

Open to those who have had Course B.

G—*Colloquial German.* One hour's credit.

Tuesdays, Thursdays, 9.

Mr. EDWARD.

Fischer's *Betrachtungen eines in Deutschland reisenden Deutschen* and other material. Open to all who have had one year's German, and to others by special permission. The two hours of this course count as one hour in term-credits.

H—*Advanced German Composition.* 2 hours.

Mondays, Wednesdays, 8.

Mr. EDWARD.

Von Jagemann's Syntax and Prose Composition; White's Selections for German Prose Composition with specially assigned original work. Open to those who have had Course A, or its equivalent.

J—*Modern German Drama.* 2 hours.

Tuesdays, Thursdays, 4.

Professor CURME.

Two courses are given in Modern German Drama in alternate years. The aim of these courses is to present a general outline of German life in the nineteenth century as reflected in the drama, exclusive of the classical works of Goethe and Schiller, which belong more properly to the study of the preceding century. The character of the several periods, the formative influences at work, the lines of literary development, are carefully traced in the form of lectures, but the main work consists in reading and studying a large number of representative masterpieces in order that the student may receive the pleasure and benefit of direct acquaintance with the literature.

(a) First Half of Century. Heinrich von Kleist, Grillparzer, Raimund, Gutzkow, Hebbel, Otto Ludwig.

To be given in 1902–1903.

(b) Second Half of Century. Anzengruber, Wildenbruch, Sudermann, Hauptmann, Fulda, Georg Hirschfeld, Hofmannsthal.

Given in 1901–1902.

K—*Gothic and Old High German.* 4 hours.

Hours to be arranged.

Professor CURME.

First Semester.—Gothic. Streitberg's Gotisches Elementarbuch, Stamm-Heyne-Wrede's Ulfilas, Uhlenbeck's Wörterbuch

der gotischen Sprache, and Grienberger's Untersuchungen zur gotischen Wortkunde.

The study of Gothic lies at the very base of the thorough study of all Germanic languages, and hence is fundamentally essential to all students who intend to study German or English historically. The phonology and inflectional systems of the language are carefully studied to secure a good basis for future work. About one hundred pages of Gothic text are read. Daily exercises in etymology, word-formation, vowel gradation, application of Grimm's and Verner's laws, etc.

Second Semester.—Old High German. Braune's Althochdeutsche Grammatik is studied carefully to secure a good basis for the study of the growth and development of High German. Braune's Althochdeutsches Lesebuch is translated into the modern idiom, accompanied by the study of the photographic reproductions of the old manuscripts of this period in Enneccerus' Die ältesten deutschen Sprachdenkmäler and Hench's Der althochdeutsche Isidor. Daily discussion of language and literary questions.

L—*Middle High German; Old Saxon; Comparative Grammar.* 4 hours.

Hours to be arranged.

Professor CURME.

First Semester.—The study of the growth and development of High German begun in Course K is continued here. The work is based upon Michels' Mittelhochdeutsches Elementarbuch and the study of the texts read. On account of the beauty of the classics of this period and the valuable pictures they give of the life of the Middle Ages, more attention is paid to literature for its own sake than in the older periods, where language questions claimed relatively more consideration. The following masterpieces are read: Zarncke's edition of the Nibelungenlied, in connection with a brief comparative study of other texts of this epic; Hartmann von Aue's Iwein; Walther von der Vogelweide's poems.

Second Semester.—Old Saxon. Comparative grammar.

(a) OLD SAXON. Holthausen's Altsächsisches Elementarbuch, Behaghel's Heliand accompanied by the study of the photographic reproductions of the old manuscripts of this period in Gallée's Facsimilesammlung. (2 hours weekly.)

(b) COMPARATIVE GRAMMAR. The phonology and inflectional systems of the Germanic languages are compared with one another and those of other languages of the Indo-European

family. Streitberg's Urgermanische Grammatik, Hirt's Der Indo-Germanische Ablaut and Dieter's Altgermanische Dialekte are used as texts. (2 hours weekly.)

M—*Icelandic* (*Old Norse*). 2 hours.

Hours to be arranged.

Dr. SIMPSON.

Kahle's Altisländisches Elementarbuch. Selections from the Younger and Elder Edda. Text-books: Hildebrand's Lieder der älteren Edda; Gering's Glossar zu den Liedern der Edda; Noreen's Altnordische Grammatik.

For advanced and graduate students; the course to be given provided not less than three students elect the same.

For Norwegian-Danish and Swedish, see the catalogue under these heads.

Major work: Nine year-hours from courses beyond A.

Courses B, G, and H should be taken by all who intend to become teachers of German in secondary schools.

GREEK LANGUAGE AND LITERATURE.

AA—*White's First Greek Book Complete and First Book of Xenophon's Anabasis. Greek Composition.* 5 hours.

Mondays, Tuesdays, Wednesdays, Thursdays, Fridays, 10.

Professor SCOTT.

This course may not be taken to remove language requirements for admission.

AB—*Xenophon's Anabasis, Books II, III, IV. Thirty lessons in Greek Composition, Homer's Iliad, three books.* 5 hours.

Mondays, Tuesdays, Wednesdays, Thursdays, Fridays, 8.

Mr. KELLER.

Courses AA and AB are designed for students who, entering college without Greek, desire to take up the study and complete the requirements for the degree of A. B.

A—*First Semester.—Lysias, Select Orations as a basis for Greek Composition. Homer.* 4 hours.

Section I.

Tuesdays, Wednesdays, Thursdays, Fridays, 9.

Professor SCOTT.

Lysias, Select Orations. Xenophon's Memorabilia of Socrates. Greek Composition based on the text. 4 hours.

Section II.
Tuesdays, Wednesdays, Thursdays, Fridays, 11.

Professor BAIRD.

Second Semester.—Work same as in first semester. Sections interchanging topics and instructors. 4 hours.

B—*Æschines against Ctesiphon. Sophocles' Antigone. Plato's Gorgias.* 3 hours.

Mondays, Wednesdays, Fridays, 10.

Professor BAIRD.

C—*Selections from Greek Lyric Poets. Æschylus, Prometheus Bound. Aristophanes' Clouds. Euripides' Medea.* 2 hours.

Tuesdays, Thursdays, 3.

Professor BAIRD.

Not given in 1902–1903.

D—*Demosthenes on the Crown. Selections from Plato's Republic. New Testament. Lucian.* 2 hours.

Professor BAIRD.

Given in 1902–1903.

F—*History of Greek Literature from Homer to Greek Church Fathers.* 3 hours.

Mondays, Wednesdays, Fridays, 3.

Professor BAIRD.

This course consists of lectures, and recitations based on translations. No knowledge of Greek is required. The aim is to secure familiarity with the great masterpieces of Greek literature. The course is especially important to those who expect to become teachers of literature.

Open to all students who have completed thirty hours.

G—*Homer and Epic Poetry.* 4 hours.

Hours to be arranged.

Professor SCOTT.

Homer will be read entire.
Students will prepare papers on assigned topics.

I—*Greek Oratory.* 4 hours.

Professor SCOTT.

Not given in 1902–1903.

L—*Greek Prose Composition.* 1 hour.

Professor SCOTT.

Not given in 1902–1903.

Major work:—C, D, and F. For any of these Greek G, I, or L, may be substituted.

HISTORY.

NOTE:—The alphabetical arrangement of the courses does not signify that they shall be taken *only* in this order. In general, AB is regarded as an introductory course to the whole field of history. Either A, C, or BC may also be chosen as a first course. D, E, F, J, may be taken most profitably in the order named. G may be elected by those who have sixty semester-hours credit. Other students who desire to take this course must receive permission from the instructor in charge. L should be preceded by AB. The usual method of conducting the courses in History is by lectures, collateral reading, and text-books.

AB—*General History to 1789.* 3 hours.

Mondays, Wednesdays, Fridays, 10.

Assistant Professor WILDE.

This course is designed to give a general view of the field of history to the date specified. It will serve as an introduction to the national histories, or to an intensive study of the periods of history.

A—*English History.* 3 hours.

Mondays, Wednesdays, Fridays, 3.

Professor SHEPPARD and Dr. MCCORMAC.

First Semester.—English History to the Restoration.
Second Semester.—English History from the Restoration to Contemporary Times.

B—*English Constitutional History and the History of Civilization.* 2 hours.

Wednesdays, Fridays, 2.

Professor SHEPPARD.

First Semester.—English Constitutional History.
Second Semester.—History of Civilization.

C—*Colonial and Constitutional History of the United States.* 2 hours.

Tuesdays, Thursdays, 3.

Professor SHEPPARD, Professor JAMES, and Dr. MCCORMAC.

First Semester.—Settlement of the Colonies, French and Indian War, and the Revolution.
Second Semester.—Constitutional History of the United States.

BC—*American History.* 2 hours.

Tuesdays, Thursdays, 11.

Professor JAMES.

The Political History of the United States from the Revolution. The formation of the Union, the rise and growth of parties, the influence of westward expansion and of slavery on the political life.

CD—*Modern Constitutional Governments.* 2 hours.

Tuesdays, Thursdays, 9.

Professor JAMES.

The object of this course is to acquaint the student with the history and general principles of the Constitution of the United States. The origin and development of some of the State Constitutions and the leading features of the governments of the European States are also considered.

To be given in the first semester of 1902-1903, and is open to students who have thirty semester-hours credit, after consultation with the Professor in charge.

D—*Greek and Roman History.* 2 hours.

Tuesdays, Thursdays, 8.

Assistant Professor WILDE.

First Semester.—History of Greece from the earliest times to the Roman Conquest. Constant use of the library for the literature of the subject; reports on reading.

Second Semester.—History of Rome from the earliest times to the fall of the empire in the West. Assigned reading with reports on the same, submission of a thesis.

E—*Continental Europe during the Middle Ages.* 3 hours.

Mondays, Wednesdays, Fridays, 10.

Assistant Professor WILDE.

This course is intended to furnish an outline of the history of Europe from the fall of Rome to about the middle of the thirteenth century. It deals with the political, religious and intellectual development of the period. One thesis. Open to those having 30 semester-hours credit.

F—*The Renaissance and Reformation.* 2 hours.

Tuesdays, Thursdays, 2.

Assistant Professor WILDE.

First Semester.—Political History from the middle of the thirteenth century to the close of the fifteenth century; the Renaissance especially in Italy,—the intellectual development, its contacts with antiquity and the middle ages, and its influences on modern life.

Second Semester.—The Reformation especially in Germany, France, and England; reforming movements before the Reformation; ecclesiastical, political, and social effects of the Reformation.

G—*European History since the Outbreak of the French Revolution.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Professor JAMES.

Political History, showing the progress of Democracy, and aiming to give an understanding of the present condition of European politics.

First Semester.—Causes and Events Connected with the Period of the French Revolution and the Napoleonic Wars.

Second Semester.—The Evolution of Constitutional Government in the European States; Unification of Germany and of Italy; the Eastern Question, and Present Political Conditions.

H—*Diplomatic History of the United States.* 2 hours.

Tuesdays, Thursdays, 10.

Dr. MCCORMAC.

History of the foreign relations of the United States from

the beginning of the Revolution to our own time. Special attention is given to the commercial treaties following the Revolution, to annexations of territory, to the relations with Spanish America, and to the period of the Civil War.

I—*Methods of teaching History with special reference to the work of the Secondary Schools.* 1 hour.

Hours to be selected.

Professor JAMES and Assistant Professor WILDE.

Open to those who make History their major and to others of suitable preparation after consultation with one of the Professors in charge.

To be given in the Second Semester.

J—*European History during the Seventeenth and Eighteenth Centuries.* 2 hours.

Tuesdays, Thursdays (hour to be selected).

Dr. MCCORMAC.

Begins with Thirty Years' War; especial attention to its effect upon the institutions of the Empire and of the various German states. Rise and decline of Sweden. Frederick the Great and Prussian Ascendency. Triumph of French Absolutism in the Reign of Louis XIV. The History of England for the period so far as it is connected with the continent.

K—*French History.* 2 hours.

Assistant Professor WILDE.

Political and institutional history of France from the Celtic occupation of Gaul to the death of Henry IV.

Not given in 1902–3.

L—*Church History.* 3 hours.

Tuesdays, Wednesdays, Fridays, 10.

Professor LITTLE.

Post-Nicene History of the Christian Church. Christianity within the Roman Empire; the Struggle of the Church with Paganism, with Barbarism, and with Mohammedanism; the Development of the Hierarchy; the Rivalries of the Patriarchates; the Upbuilding of the Papacy and the Growth of Monachism; the Relations of the Popes to the Byzantine, Frankish, and German Emperors; the Crusades; the Growth and Decay of Papal Power; the Monastic Schools; the Uni-

versities; the Mendicants and Mediæval Heretics; Scholasticism and Superstition; the Church and Mediæval Society; History of the Modern Church.

M—*Seminary in American History.* 2 hours.

Hours to be arranged.

Professor JAMES.

Open only to those whom the professor in charge considers qualified. One meeting of two hours each week; but each student must give sufficient time in preparation to entitle him to three hours of credit. Additional credits may be acquired if arranged for at the time of registration. During the year 1901–1902 the time was given to the study of the period in American History, 1765–1820, using the original sources as a basis for the work.

History Club. 1 hour each month.

Papers are given by the instructors and by advanced students. Reviews of new books and other historical literature are presented. During the year 1901–1902 special lectures were given by

Professor CHARLES J. LITTLE,
"Place of History in Education."

Reverend H. G. SMYTHE,
"Mediæval Monasticism and its Survivals in the Present."

Superintendent H. H. KINGSLEY,
"The Teaching of History in Graded Schools."

Professor J. A. JAMES,
"Washington: Sketches of His Life; His Place in History." Given on February 22.

Major G. M. MCCONNEL,
"The People of Illinois."

History Conference.

A monthly meeting of the instructors of the History department and teachers of History in the schools of Evanston and immediate vicinity for the consideration of topics of interest to teachers. Graduate students in History, and Seniors who "major" in the subject and intend to teach, are invited to participate in this Conference.

ITALIAN.

FIRST SEMESTER.

A—*Elementary Italian.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Miss FREEMAN.

Grandgent's Grammar: Bowen's Reader: Cuore (De Amicis). I Promessi Sposi (Manzoni).

Modern Prose Tales. Dante (40 cantos); Private Reading; Collateral reading required: Howell's Italian Poets, Symonds' Introduction to Dante, Church's Dante, Rossetti's Dante and his Circle. The courses in Italian and Spanish will be given in alternate years. The course in Italian was given in 1901–1902.

LATIN LANGUAGE AND LITERATURE.

A—*First Semester—Livy, two books, with an additional historical selection.*
Second Semester—Cicero de Amicitia; Terence, Andria and Phormio; Latin composition throughout the year; Grammatical reviews. 4 hours.

Mondays, Tuesdays, Thursdays, Fridays, 9, 10, 2.

Acting Professor CLEMENT and Assistant Professor LONG.

B—*First Semester— Horace, Odes and Satires; Catullus.*
Second Semester—Tacitus, Germania and Agricola; Selections from the Histories. 3 hours.

Mondays, Wednesdays, Fridays, 9, 11.

Acting Professor CLEMENT and Assistant Professor LONG.

C—*First Semester—Quintilian, Horace, Epistles.*
Second Semester—The Reign and Character of Tiberius—Tacitus, Annals, with Comparison of authorities early and modern. 3 hours.

Mondays, Wednesdays, Fridays, 10.

Professor BONBRIGHT.

D—*First Semester—Latin Elegists,—Tibullus, Propertius; Pliny's Letters.*
Second Semester—Prose Selections of the Empire. 3 hours.
Mondays, Wednesdays, Fridays, 10.
Acting Professor CLEMENT.
Omitted in 1902–1903.

E—*First Semester—Greek Schools of Philosophy at Rome,—Lucretius, three books with lectures.*
Second Semester—Cicero, philosophical selections. 2–3 hours.
Tuesdays, Thursdays, 2.
Professor BONBRIGHT.
Omitted 1902–1903.

F—*Latin Comedy and Satire—First Semester—Plautus, two or three Plays.*
Second Semester—Juvenal; Martial. 2–3 hours.
Tuesdays, Thursdays, 2.
Professor BONBRIGHT.

G—*Latin Literature—its development and history studied with attention to contemporary Political and Social history, readings with lectures.* 2 hours.
Professor BONBRIGHT.
Omitted 1902–1903.

H—*Vergil entire, read with comparison of other examples of hexameter, lectures on the Roman epic.*
Assistant Professor LONG. 1–2 hours.
Omitted 1902–1903.

J—*Latin Composition.* 1 hour.
Fridays, 3.
Assistant Professor LONG.
The course is open to those who have taken Course A.
Omitted 1902–1903.

K—*First Semester—Cicero, orations.*
Second Semester—Advanced practice in writing Latin.
Assistant Professor LONG. 2 hours.

L—*Cicero, Letters.*

Study of the diction and style of Cicero and correspondents. Survey of Roman Epistolography.

2 hours.

Hours to be arranged.

Assistant Professor LONG.

Major work: Course B, with C or D, and E or F, or an equivalent.

MATHEMATICS.

A—*Algebra and Plane Trigonometry.* 4 hours.

Mondays, Tuesdays, Wednesdays, Thursdays.
Five sections at 8, 9, 11, 2, 3.

Professor HOLGATE, Dr. KEPPEL, and Mr. WILSON.

First Semester.—Algebra, including the theory of quadratic equations, ratio and proportion, progressions, permutations and combinations, binomial theorem, logarithms and their application to interest and annuities, with an introduction to the general theory of equations and determinants.

Second Semester.—Plane Trigonometry, including the solution of oblique triangles.

Required of all candidates for a degree, except those who elect Course AB.

AB—*Algebra, Trigonometry, and Analytical Geometry.*

5 hours.

Mondays, Tuesdays, Wednesdays, Thursdays, Fridays.
Two sections at 10, 11.

Professor WHITE and Dr. KEPPEL.

First Semester.—Algebra and Plane Trigonometry; a briefer course than is given in Course A.

Second Semester.—Plane Analytical Geometry. An elementary course on the straight line and conic sections.

Course AB may be taken by any student who has met the entrance requirements in Algebra.

AA—*Advanced Algebra.* 2 hours.

Tuesdays, Thursdays, 10.

Professor HOLGATE.

Second Semester.—A continuation of the work in Algebra of Courses A and AB, covering the elements of the theory of equations, determinants, irrational numbers, etc.

Open to students who have completed the first semester of either Course A or Course AB, and recommended to all who expect to teach mathematics in secondary schools.

B—*Plane Analytical Geometry and Calculus.* 3 hours.

Mondays, Wednesdays, Fridays, 8.

Dr. KEPPEL.

First Semester.—Plane Analytical Geometry; an elementary course on the straight line and conic sections.

Second Semester.—Differential and Integral Calculus; a brief course in formal differentiation and integration of the common functions, with applications to maxima and minima, indeterminate expressions, lengths and areas of plane curves, and volumes of solids.

Open to students who have completed Course A or its equivalent.

BB—*Differential and Integral Calculus.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Professor WHITE.

First Semester.—Theory of limits, differentiation of common functions, maxima and minima.

Second Semester.—Indefinite and definite integrals, change of variable, areas and volumes, average values of functions.

Open to students who have completed Course AB or its equivalent.

C—*Elementary Mechanics.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Professor HOLGATE.

First Semester.—Statics. Composition and resolution of forces, moments of force, general conditions of equilibrium, friction.

Second Semester.—Dynamics. Velocities and accelerations, simple harmonic motion, work, energy.

Open to students who have completed Course A or its equivalent.

D—*Theory of Equations and Determinants.* 2 hours.

Tuesdays, Thursdays, 9.

Professor WHITE.

First Semester.—Existence of roots of an equation, sym-

metric functions of the roots, solution of cubic, quartic, and cyclotomic equations.

Second Semester.—Determinants, solution of numerical equations, insolubility of th general quintic.

E—*Solid Analytical Geometry.* 3 hours.

Mondays, Wednesdays, Fridays, 10.

Professor WHITE.

Second Semester.—An introductory course in Analytical Geometry of Three Dimensions. May be taken in the second semester as a continuation of Course B, or may be elected by students who have completed Course AB or its equivalent.

F—*Geometrical Applications of the Calculus.* 3 hours.

Mondays, Wednesdays, Fridays, 2.

Professor WHITE.

Infinitesimal Analysis applied to plane curves, twisted curves, and surfaces. Developables, evolutes, geodesic lines, curvature, congruences of lines, contact of curves and surfaces.

Omitted in 1901–1902, to be given in 1902–1903.

G—*Analytical Geometry.* 3 hours.

Mondays, Wednesdays, Fridays, 8.

Professor WHITE.

Open to students who have taken a previous course in Analytical Geometry. The first semester is devoted to a detailed study of the conic sections. The work of the second semester comprises systems of conics, envelopes, the principle of duality, projection, etc.

H—*Modern Synthetic Geometry.* 3 hours.

Mondays, Wednesdays, Fridays, 10.

Professor HOLGATE.

Introduction of infinitely distant elements into geometry; central projection; perspectivity and projectivity; generation of conics from projective forms; properties of ruled quadric surfaces; involution; poles and polars; systems of conics.

Elective for students who have completed one year from Courses B, C, or BB.

J—*Definite Integrals and Differential Equations.* 3 hours.

Mondays, Wednesdays, Fridays, 2.

Professor HOLGATE.

First Semester.—Integral Calculus: Definite Integrals, with applications to surfaces, volumes, averages, and center of mass.

Second Semester.—Differential Equations, together with chapters on cycloids and other roulettes.

K—*Analytical Mechanics.* 2 hours.

Tuesdays, Thursdays, 8.

Professor HOLGATE.

A course in Theoretical Mechanics, open to students who have taken Course B or its equivalent. It includes a study of vectors, uniformly accelerated motions, simple harmonic motions and their composition, elliptic motion, central orbits, force, energy, work, etc.

L—*Surveying: theory and practice.* 2 hours.

Tuesdays, Thursdays, 2.

Dr. KEPPEL.

The use and adjustments of the compass, engineer's transit, and Y level; the keeping of records and platting of observations; calculation of heights, distances, and areas; elements of the theory of errors. Field work with the instruments will be carried on in small divisions in the Fall and Spring.

M—*Primarily for Graduates.* 3 hours.

Hours to be arranged.

Professor WHITE.

First Semester.—Theory of Functions of a complex variable.

Second Semester.—Elliptic Functions.

N—*Primarily for Graduates.* 2 hours.

Hours to be arranged.

Professor HOLGATE.

First Semester.—The synthetic treatment of systems of conic sections.

Second Semester.—The Newtonian Potential.

Major work: Fifteen year-hours, including Courses A or AB, and B or BB.

MINERALOGY AND ECONOMIC GEOLOGY.

A—*Mineralogy; Blow Pipe Analysis.* 3 hours.

Lecture, Wednesdays, 11. Laboratory hours can be arranged between 8 and 12 Mondays, Tuesdays, Wednesdays, Thursdays and Fridays.

Professor CROOK.

First Semester.—Mineralogy; elements of crystallography; descriptive mineralogy, including physical properties, chemical composition, occurrence, and association of minerals; determination of minerals by physical characteristics. About one hundred and fifty minerals are studied to learn methods of determination and investigation, and to gain information fundamental for geologists, miners, chemists, and physicists, as well as that desirable for a general education. Dana's "Text-Book of Mineralogy."

Second Semester.—Blow pipe analysis; wet and dry methods of investigation to confirm physical determinations. Landauer's "Blowpipe Analysis."

This course is intended for beginners.

C—*Economic Geology.* 2 hours.

Lectures, Tuesdays, Thursdays, 4.

Professor CROOK.

First Semester.—A study of soils, fertilizers, abrasives and lubricants, refractory and fictile materials, building stone, coal, mineral oil and natural gas—substances embraced under the designation of non-metallic mineral resources.

Second Semester.—Metallic mineral products—gold, silver, platinum, copper, iron, lead, zinc, mercury, and some metals of minor importance—studied in regard to their origin, geological relations, geographical distribution and use.

Tarr's "Economic Geology of the United States."

D—*Physical Crystallography.* 2 hours.

Hours to be arranged.

Professor CROOK.

Optical, thermal, magnetic, and molecular properties of crystals. Wooden and glass models, reflecting goniometer and microscope used.

Williams' "Elements of Crystallography" and Groth's "Physikalische Krystallographie."

E—*Assaying.* 2 hours.

Wednesdays, 2–6.

Professor CROOK.

First Semester. — Scorification, cupellation, parting, and weighing of gold and silver.

Second Semester.—Crucible process of precious metals, and assaying of copper, lead and zinc.

Open to those students who have completed Chemistry A and Mineralogy A.

F—*Advanced Course.* 2 to 5 hours.

Hours to be arranged.

Professor CROOK.

A continuation of the work begun in any one of the courses in general mineralogy, blowpipe analysis, optical mineralogy, or economic geology; for the purpose of preparing the student to enter upon work of special investigation. (See Courses H and I.)

Primarily for Graduate Students.

H—*Applied Geology.* 5 hours.

Hours to be arranged.

Professor CROOK.

For graduate students who have completed the equivalent of the courses above. Subjects similar to those enumerated in Course C, pursued with fuller investigation of literature of subject, special study of some region of economic importance and experimentation on specimens. A reading knowledge of French and German is required.

I—*Mineralogical Research.*

To be elected as (*a*) 10 hours or (*b*) 15 hours.

Hours to be arranged.

Professor CROOK.

For graduate students who have completed the requirements for major work in the department. Special investigation of the physical or chemical properties of some mineral or group of minerals, or work upon the rocks of some chosen region. A full knowledge of the literature of the subject is involved and ability to use French and German is necessary.

Major work: Ten year-hours, within which Geology A must be included.

MORAL AND SOCIAL PHILOSOPHY.

A—*Ethics. Social Philosophy.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Professor CALDWELL.

First Semester.—Ethics; analysis of the facts of conduct and of the moral development of humanity; the scientific explanation of conduct; the different views regarding the moral standard; the history of ethics with more special reference to modern times; the ethics of evolution and the ethics of idealism; the ethical movement of to-day; moral progress.

A chief feature of this course is class-room discussion, based upon the Lectures, upon Mackenzie's "Manual of Ethics," and upon the problems and difficulties of the members of the class.

Second Semester.—Social Philosophy. The problem of social philosophy and the principles of sociology, the nature of the social problem and of social science; the conclusions of anthropology and of the other sciences on which sociology rests; the theory of sociology by reference to the work of the leading social philosophers. Practical application of sociological principles to the chief social problems.

This course attempts to outline that application of science and philosophy to society and social problems which is such a characteristic tendency of to-day. And also to point out the main lines along which social advance may best be made.

Lectures, use of some serviceable manual, readings, reports, practical investigations.

There will be scope for discussion as in the first semester.

Open to students who have completed thirty hours.

B—*Practical Problems.* 2–3 hours.

Tuesdays, Thursdays, 3.

Credit will be given for time spent in investigation.

Professor CALDWELL.

Brief class-room study of some introductory, practical book. Investigation by students (under direction) of social conditions, problems, agencies, institutions. Intended to start students in the work of social observation and reflection.

Open to students who have completed thirty hours.

Second Semester.—Moral pathology and the science of character; class-room study and discussion of such books as

Giles' "Moral Pathology," or Sidgwick's "Practical Ethics, MacCunn's "Making of Character." Reports and investigations of students upon topics.

Open to students who have completed thirty hours.

C—*Social Psychology.* 2–3 hours.

Tuesdays, Thursdays, 11.

Professor CALDWELL.

Consideration of the attempts of recent American and European philosophers and psychologists to approach the study of society from the psychological (as distinct from the hitherto prevailingly biological) point of view.

The logic and mind of society; the psychology of social action; the psychical factors in civilization; the relation of the social mind to the mind of the individual; the application of social psychology to education and reform.

Study of Professor Baldwin's "Social and Ethical Interpretations of Mental Development," and of Ross' "Social Control," with reference to the writings of others, such as Le Bon, Sidis, Ward, Bosanquet, Tarde, etc.

Second Semester.—Continuation of the work of the first semester.

Open to students who have had or are taking Course A, or who have had or who are taking Course A in psychology.

D—*Advanced Course.* 2 hours.

Hours to be arranged.

Professor CALDWELL.

First Semester.—Ethics. Reading and analysis of advanced works upon ethics, such as the writings of Plato, Aristotle, Kant, Hegel, Wundt, Gizycki, Paulsen, Sidgwick, Green, Spencer, Stephen, Martineau and others.

Lecture and study notes upon special topics such as the Metaphysic of Ethics, the Logic (methods) or Psychology of Ethics, the Art of Conduct, the Moral Ideal, Social or Political or Religious Ethics, etc. Or, study of special periods in the history of Ethical growth, or of Ethical speculation, such as the Ethics of the Greeks, or of German philosophers, etc.

Paulsen's "Ethics" may be used as a guide.

Second Semester.—Social Philosophy. Social theories of leading thinkers, ancient and modern. Tendencies in con-

temporary social philosophy ("English" and Foreign). The philosophy of social advance and of social reform.

Mackenzie's "Introduction to Social Philosophy" may be used as a guide.

Open to students who have completed Course A.

E—*Seminary.*

Professor CALDWELL.

Research study of topics connected with any of the above courses. Subjects can be announced only after consultation with those fitted for the work of investigators.

Time for meeting to be arranged. Credit, for undergraduates, 3–4 hours. For graduates as may be arranged.

RELATED COURSES IN OTHER DEPARTMENTS.

Philosophy A.	Latin, Cicero's Philosophical Works.
Political Economy A.	Greek, Plato.
History F, G.	Zoölogy A.

Major work: Ten year-hours, of which Philosophy A (second semester—*Psychology*) or three hours in Political Economy may form a part.

MUSIC.

A—*Harmony.* 2 hours.

Mondays, Wednesdays, 3.

Professor LUTKIN.

First Semester.—Intervals, Triads, Triad Harmonization with near Modulations, Inversions, Ear-training.

Second Semester.—Harmonization with addition of Dominant and Diminished Sept-chords, Modulations, Cadence Formulas, Dictation, Chord Sequences at piano.

B—*Harmony.* 2 hours.

Mondays, Thursdays, 11.

Professor LUTKIN.

First Semester. — Collateral Sept-chords, Suspensions, Altered and Extended Chords, Tones foreign to the Harmony, Organ Point, Remote Modulations.

C—*Musical Form.* 2 hours.

Mondays, Thursdays, 11.

Professor LUTKIN.

Second Semester.—Composition of Melodies, Anglican Chants and Hymn Tunes; Song, Trio and Rondo Forms; Variations, Inventions and Suites, Sonata, Canon and Fugue.

D—*Counterpoint.* 2 hours.

Tuesdays, Fridays, 11.

Professor LUTKIN.

First Semester.—Two and Three Part Counterpoint.

Second Semester.—Three and Four Part Counterpoint, Canon, Two-part Fugues.

E—*Counterpoint.* 1 hour.

Hour to be arranged.

Professor LUTKIN.

First Semester.—Counterpoint in five and more parts.

Second Semester.—Double and Triple Counterpoint, Imitation, Figured Chorals.

F—*Canon and Fugue.* 1 hour.

Hour to be arranged.

Professor LUTKIN.

Canons in the various intervals, by Inversion, Diminution, Augmentation, Retrogression, etc. Tonal and Real Fugues in two to five parts, Double Fugues.

G—*Musical History.* 2 hours.

Tuesdays, Thursdays, 3.

Professor SADIE E. COE.

First Semester.—Primitive Music, Music of China, Japan, Africa, India and the American Indians, with illustrations; the Greek Music System, Early Ecclesiastical Styles, Polyphonic Music of the Middle Ages, History of Notation, Analysis of the Instruments of the Orchestra, Biographies of Noted Musicians.

Text-book work supplemented by lectures.

Second Semester.—Development of the Oratorio, Illustrations from Cavaliere, Mazzochi, Carissimi, Scarlatti, Stradella; Critical Analysis from Scores of Händel's "Messiah."

Development of the Opera, the Camerata, Caccini, Lully, Purcell, Comparison of Opera of Italy, France and Germany.

Critical Analyses from the scores of Wagner's Music Dramas, including the "Rheingold," "Walkyrie," "Siegfried," "Götterdämmerung," "Meistersinger" and "Parsifal."

H—*Sight-reading and Choral Practice.*

Mondays, Thursdays, 4:15 (half-hour periods, no credit).

Mr. COZINE.

I—*Analysis.* 1 hour.

Wednesdays, 11. (No credit.)

First Semester.—Bach's Inventions, Song Forms (principally Mendelssohn and Chopin).

Second Semester.—Fugues (Bach's Well-tempered Clavichord , Sonatas (Mozart, Haydn, Beethoven).

K—*Advanced Harmony.* 1 hour.

Thursdays, 3.

Professor LUTKIN.

Modern Harmony, Chromatic Alterations, Irregular Resolutions and Free Use of Dissonances.

L—*Advanced Analysis.* 1 hour.

Hour to be arranged.

Professor LUTKIN.

First Semester.—Sonatas and Fugues.

Second Semester.—Symphonies.

M—*Free Composition.* 1 hour.

Hour to be arranged.

Professor LUTKIN.

First Semester.—Homophonic Forms.

Second Semester.—Sonata Forms.

N—*Instrumentation.* 1 hour.

Hour to be arranged.

Professor LUTKIN.

O—*Voice Culture in Classes.* 1 hour.

Hour to be arranged. (No credit.)

Mr. COZINE.

NOTE.—Course H (Sight-reading and Choral Practice) is open to University students upon payment of a semester fee of three dollars, and Course O (Voice Culture in Classes) upon payment of a semester fee of ten dollars.

SCHOOL OF MUSIC.

The attention of students is called to the Evanston Musical Club, the St. Cecilia Choir of women's voices, the School of Music Maennerchor, and the chapel choir, as offering excellent opportunities for drill and improvement in vocal music. Also to the School of Music Orchestra and the University Band as offering similar advantages to those playing instruments. Frequent concerts, recitals, and lectures are given at Music Hall in connection with the regular courses in the School of Music, to which University students are granted free admission. The Circular of Information of the School of Music gives full particulars in regard to that Department.

NORWEGIAN-DANISH.

A—*Modern Norwegian-Danish Grammar.* 2 hours.

Hours to be arranged.

Dr. SIMONSEN.

First Semester.—Petersen's Norwegian Grammar and E. C. Otte's "How to Learn Danish" are the text-books used.

Second Semester.—Readings from Andersen and Ibsen.

PEDAGOGICS.

A—*History of Education.* 1–3 hours.

Mondays, Wednesdays, Fridays, 4.

Professor FISK.

Lectures readings, and discussions. Text-books: Compayré's History of Pedagogy, Quick's Essays on Educational Reformers, Gill's Systems of Education, Boone's Education in the United States.

Given in 1902–1903 and in alternate years.

NOTE.—This course may be taken as a three-hour course, or as a two-hour course (Mondays and Wednesdays,) or as a one-hour course (Fridays).

B—*Principles of Education.* 1–3 hours.

Mondays, Wednesdays, Fridays, 4.

Professor FISK.

Readings and discussions. Text-books: Compayré's Lectures on Pedagogy, Hinsdale's Art of Study, Herbart's Science of Education, Tompkins's Philosophy of School Management, Lange's Apperception.

Given in 1901–1902 and in alternate years.

NOTE.—This course may be taken as a three-hour course, or as a two-hour course (Mondays and Wednesdays), or as a one-hour course (Fridays).

C—*The Great Educators.* 2 hours.

Tuesdays, Thursdays, 10.

Assistant Professor SCOTT.

Lectures, readings, and discussions.

First Semester.—English Educators: Locke, Spencer.

Second Semester.—Continental Educators: Comenius, Herbart.

D—*The Great Educators.* 2 hours.

Tuesdays, Thursdays, 10.

Assistant Professor SCOTT.

First Semester.—Continental Educators: Rousseau, Pestalozzi, Froebel.

Second Semester.—The More Recent Educators.

In Courses C and D the best works of some of the most influential educators are read by each member of the class. The material thus read furnishes the basis for lectures, papers, discussions and recitations.

Not to be given in 1902–1903.

E—*Seminary.* 2 hours.

Fridays, 5.

Professor FISK and Mr. GREENLAW.

Open to a limited number of advanced students. Students following this course teach elementary classes in the Academy four or five hours per week under the instructor in charge of the course.

Weekly conferences are held for reports and discussions. (The general subject for the year 1900-1901 has been "Methods in the Common School Branches," and an effort has been made to formulate the principles governing the proper teaching of these subjects.)

For Pedagogical Psychology see Philosophy I.

Major work: Ten year-hours, which shall include Pedagogics A or B (3 hours), C or D, Philosophy A, and two additional hours chosen from Pedagogy or Psychology.

PHILOSOPHY, PSYCHOLOGY AND LOGIC.

NOTE.—The alphabetical arrangement of the courses exists for convenience of reference,—not to indicate the order in which they should be chosen. It is generally best to elect A, or A and B conjointly, before the other courses, but either C or D or H may be taken in the same year as A.

A—*General Psychology; Logic.* 3 hours.

Mondays, Wednesdays, Fridays, 2.

Professor COE and Assistant Professor SCOTT.

First Semester.—Psychology. James's Psychology (Briefer

Course); class-room demonstrations and guidance to private observation; demonstration of apparatus and methods of experimental psychology; written exercises from members of the class; optional work in the laboratory; lectures on various topics.

Second Semester.—Logic. An outline of both deductive and inductive logic. Special stress is laid upon the methods of the sciences. Written exercises in the detection of fallacies and the criticism of arguments. Creighton's Introductory Logic.

B—*Elementary Experimental Psychology.* 2 hours.

Hours (in the afternoon only) to be arranged.

Assistant Professor SCOTT.

Laboratory work in connection with Course A. Intended for students of general psychology who desire to become acquainted with laboratory methods, and for those who propose hereafter to pursue advanced laboratory courses. Two consecutive hours of laboratory work for one hour of credit.

C—*History of Philosophy.* 2 hours.

Tuesdays, Thursdays, 8.

Professor COE.

Text-book, lectures, dissertations, the reading of selected writings of Descartes, Spinoza, Leibnitz, Locke, Berkeley, Hume and Kant.

Open to students who have completed thirty hours.

D—*General Introduction to Philosophy; Popular Discussions in Philosophy.* 2 hours.

Tuesdays, Thursdays, 9.

Professor COE.

First Semester.—General Introduction to Philosophy. Lectures, papers and discussions. Intended for all who desire to learn about the nature of Philosophy, its divisions, and the characteristic attempts to solve its problems.

Second Semester.—Popular Discussions in Philosophy. Lectures, papers and discussions, all bearing upon the relation

of philosophy to the life of our day, particularly to its science, its literature, and its social and religious aspirations.

Open to students who have completed thirty hours.

(To be given in 1902–1903. Not given in 1901–1902.)

E—*Philosophy of Religion.* 1 hour.

Mondays, 4.

Professor Coe.

Lectures and assigned reading. No preceding study of philosophy is required for admission to this course, but each of the courses designated A, B, C, or D furnishes helpful preparation. Credit is not given until the work of both semesters is completed.

F—*Seminary in the Psychology and Philosophy of Religion.* 2 hours.

Tuesdays, 2–4. (Subject to revision.)

Professor Coe.

Reading of the chief literature on the Psychology of Religion; collection and analysis of new data; a study of the principles of Religious Pedagogy; psychological prolegomena to the Philosophy of Religion. An introduction to research in the Psychology of Religion.

Open to students who have completed general psychology.

G—*Advanced Experimental Psychology.* 2 hours.

Hours (in the afternoon only) to be arranged.

Assistant Professor Scott.

This course extends the work begun in Course B into some of the more difficult problems, and introduces a limited amount of research. Two consecutive hours of laboratory work will be required for one hour's credit.

Open to students who have completed Course B.

H—*Pedagogical Psychology.* 2 hours.

Tuesdays, Thursdays, 2.

Assistant Professor Scott.

To be given yearly beginning with 1902–1903.

Open to students who have taken or are taking General Psychology.

J—*The Philosophy of Nature.* 2 hours.

Professor Coe.

A brief review of Ancient and Modern Cosmologies, followed by an analysis of the chief notions of the Natural and Physical Sciences (such as law, matter, energy, life, mind), with especial reference to the theory of evolution and man's place in nature. Lectures, papers, discussions.

Open to students who have completed either A, C, or D.

(Given for the first time in 1901–1902. Not to be given in 1902–1903.)

K—*Advanced History of Philosophy.* 2 hours.

Hours to be arranged.

Professor Coe.

Rapid reading of important philosophical literature. The period or group of writers to be studied will be chosen from year to year according to circumstances. In addition to the reading required of the whole class, each member will make a critical study of some problem or piece of literature, and present the results in the form of a thesis.

Open to students who have completed Courses A and C.

Major work in Philosophy: Courses A, C, E, and four additional year-hours, of which one may be in Ethics. Students who select Philosophy as their Major Subject will do well to take Course A in their second year.

RELATED COURSES IN OTHER DEPARTMENTS.

The department of Moral and Social Philosophy gives courses in Ethics and Social Philosophy; the department of Greek, courses in Plato's *Gorgias* and *Republic*; the department of Latin, a course in *Lucretius*; the department of Zoölogy, a course on the Central Nervous System and its Terminal Organs; the department of Pedagogy, courses on the Great Educators, including Locke, Herbart, Spencer, etc.

PHYSICS.

A—*General Physics.* 4 hours.

Lectures on Mondays, Wednesdays, Fridays, 11.

See below for Laboratory hours.

Dr. Tatnall.

First Semester.—General properties of Matter, Sound, Heat.

Second Semester.—Electricity, Magnetism, Light.

Each week's work consists of two experimental lectures,

one recitation, and one laboratory exercise. Ames's Theory of Physics will be used as a text-book.

This course is intended for beginners. It requires no mathematics beyond that necessary for entrance. It is recommended as a first-year or second-year study to those contemplating the pursuit of any pure science, engineering, or medicine.

B—*Experimental Physics.* 4 hours.

Lectures, Tuesdays, Thursdays, 11.
See below for Laboratory hours.

Professor CREW and Dr. TATNALL.

First Semester.—Mechanics and Heat. An experimental study of Forces, Moments of Force, Moments of Inertia, Elasticity, Heat Measurements, Thermodynamics, etc., forming an introduction to advanced Physics. Worthington's Dynamics of Rotation represents the ground covered in mechanics.

Second Semester.—Light. An experimental study of the general phenomena of Refraction, Diffraction and Polarization. Spectroscopy. Photographic and micrometric study of various spectra, preceded by a special study of the spectrometer. Application of the principles of Diffraction and Interference to the Grating, the Telescope, and other optical instruments.

Each week's work consists of two lectures and two laboratory exercises.

For students who have completed Course A, or equivalent.

C—*Experimental Physics.* 4 hours.

Lectures, Mondays, Fridays, 8.
See below for Laboratory hours.

Professor CREW.

Electricity and Magnetism. Two lectures and two laboratory exercises each week. In the lectures the more general laws of electricity and magnetism are discussed; the practical equations employed in the laboratory are also derived and discussed. J. J. Thomson's Elements of the Mathematical Theory of Electricity and Magnetism is employed as a text-book.

Henderson's Practical Electricity and Magnetism represents the ground covered in the laboratory. This course forms a solid foundation for all work in electrical engineering.

For students who have completed Course A, or equivalent.

D—*Thermodynamics.* 2 hours.

(Primarily for Graduates).
Mondays, Fridays, 9.

Professor CREW.

The first semester is devoted to the general theory of thermodynamics as set forth in Buckingham's Theory of Thermodynamics. In the second semester the application of thermodynamics to the steam engine is considered. The treatment of Ewing in his Steam Engines and Other Heat Engines will be followed. This course is intended as an introduction to mathematical physics, physical chemistry, and engineering. An elementary knowledge of the differential calculus is necessary.

F—*Mathematical Theory of Electricity and Magnetism.* 2 hours.

(For Graduates.)
Tuesdays, Thursdays, 8.

Webster's Theory of Electricity and Magnetism represents the ground covered. The subject is believed to be essential to all advanced students of pure physics and those contemplating electrical engineering of high grade. It is also recommended to students interested in applied mathematics.

G—*Mechanical Drawing.* 2 hours.

Mondays, Wednesdays, 2–5.

Associate Professor BASQUIN.

First Semester: Elementary Mechanical Drawing. Text-book: Reid's Mechanical Drawing.

Second Semester.—Elementary Machine design. Text-book: Reid's Mechanical Drawing and Elementary Machine Design.

This course furnishes a good working knowledge of Mechanical Drawing as applied to machines, and is equivalent to the first year's work in drawing in engineering schools.

H—*Applied Mechanics.* 4 hours.

Tuesdays, Wednesdays, Thursdays, Fridays, 10.

Associate Professor BASQUIN.

The general application of mechanical principles to engineering problems. Particular attention is given to Work and Power, Flexure and Safe Loading of Columns and Girders, Graphical Statics, and Hydrodynamics. The work covers the

courses generally known as *Strength of Materials* and *Hydraulics*. An elementary knowledge of Calculus is required. Text-Book: Church's Mechanics of Engineering.

K—*Shopwork.* 2 hours.

Tuesdays, Thursdays, 2–5.

Associate Professor BASQUIN and Mr. STARKWEATHER.

First Semester.—Bench Work in Wood and Wood Turning. Text-Books: Goss's Bench Work in Wood, Golden's Wood Turning.

Second Semester.—Metal Work, being a set of regular exercises in work on vise, lathe, drill press and shaper, with notes and lectures.

L—*Kinematics of Machinery.* 2 hours.

Mondays 10–12, Wednesdays 11.

Associate Professor BASQUIN.

Recitations and Drawings. Barr's Kinematics of Machinery.

Major work: twelve year-hours.

LABORATORY HOURS.

The Physical Laboratory will be open each afternoon in the week except on Saturday. Students may select their own afternoons for work; but having once made a selection this must be strictly adhered to throughout the entire semester.

PHYSICAL CULTURE AND HYGIENE.

A—*Physical Culture and Hygiene.* 1 hour.

Tuesdays, 2.

Dr. HOLLISTER.

First Semester.—Lectures will be given upon structure and functions of muscles, nerves, spinal cord, and brain; sources and effects of vital heat and carbonic acid; fatigue; breathlessness; stiffness; overwork; training; effects of exercise upon organs and tissues of the body; gymnastic exercises—German, English, and Swedish systems; apparatus; indoor and outdoor games.

Second Semester—Lectures will be given upon diet and value of different articles of food; digestion; functions and

care of skin, hair, nails, care of teeth and eyes; composition of air and water; ventilation; bacteria; infectious and contagious diseases.

B—*Physical Training.* 1 hour.

Hours to be arranged.

Dr. HOLLISTER.

Physical examinations will be given. Regular classes for dumb-bell and Indian-club exercises will be formed. Credit for one semester-hour will be given for three hours a week of gymnasium practice between December 1st and April 1st of the following year.

ECONOMICS, FINANCE AND ADMINISTRATION.

NOTE.—Those wishing to make a major (ten year-hours, of which not more than three may be in Social Philosophy) in this department should begin the work in their second year in college. No student will be admitted to any of the courses in the department until he has thirty hours of college credit, except by special permission of the instructor in charge of the course.

Courses A, C and G require no introductory course and any two of them may be taken together. Course F, which is supplementary to Course C, should be taken with that course. All the other courses presuppose an introductory course in this department.

No one should attempt to specialize in Economics without a good knowledge of general history.

A—(1) *Economic Theory and* (2) *The Economics of Transportation.* 3 hours.

Mondays, Wednesdays, Fridays, 10.

Professor GRAY and Assistant Professor GEORGE.

First Semester.—An introductory and elementary course in Economic Theory. Recitations, lectures and frequent written tests.

Course A furnishes the best preparation for the advanced courses offered in the department.

Walker's Political Economy (advanced course) is used as a text.

Second Semester.—Transportation. An elementary course in the theory and history of transportation. The modern era of turnpikes and canals. The development of the railroad, including the organization, management and consolidation of corporations, the question of rates and of public control, state and federal. The railroad as a prime factor in the develop-

ment of commerce and industry. Hadley's Railroad Transportation and the Reports of the Interstate Commerce Commission are used as guides.

B—*Administration.* 2 hours.

Wednesdays, Fridays, 8.

Professor GRAY.

A course in administrative law and the comparative theory and history of administration of the leading modern nations. The course will treat of the general field of administrative study and the nature of administrative law, the comparative central administration of the leading countries, together with a study of the legal relations existing between the different organs of administration. Special attention will be paid to the organization and functions of the diplomatic and consular services of the different countries, and to the civil service reform movement in the United States. Questions of local administration, with special reference to the organization and administration of cities in the chief modern countries. The separation of local and central functions, and the possibility of exercising an administrative rather than a legislative control over the local governments receive special consideration.

Goodnow's Comparative Administrative Law is used as the chief guide. Frequent references are made to the decisions of the courts on administrative matters.

C—*Industrial and Commercial History.* 3 hours.

Mondays, Wednesdays, Fridays, 11.

Professor GRAY.

The Industrial and Commercial History of Western Europe and America since the middle of the eighteenth century. The effects of modern inventions and political changes on trade and industry. The economic effects of the formation of the *Zollverein*, the adoption of Free Trade by England, the discovery of gold in California and Australia, the American Civil War, and the rapid extension and consolidation of the means of transportation. The effects of political changes in establishing new lines of trade and new centers of industry. The Spanish-American War, the increased supply of gold within the last decade and the effects of concentration in the control of industry receive special attention. The course is

conducted by lectures, with prescribed topical readings. One written report of considerable length is required each semester.

Course C requires no previous training in Economics.

D—*Finance; Money and Banking.* 2 hours.

Tuesdays, Thursdays, 8.

Assistant Professor GEORGE.

First Semester.—Public Finance, with especial reference to modern systems of taxation. Objects and methods of public expenditure; equilibrium of the budget; public loans; the relation of public financiering to private economy. In taxation a comparative study is made of the various systems in leading modern countries; and in the United States, the relation between existing methods of taxation and the present industrial organization is given especial attention.

Second Semester.—Money and Banking. The evolution of money; the standards of various countries, together with an historical survey of the different kinds of money used in the United States; banking functions in the modern business world; clearing houses and systems of credit, and their relation to the trade and industry of the country, receive especial consideration.

The work is conducted by lectures and discussions. Frequent brief written reports on selected topics are required. During the first semester Adams's Science of Finance is used, and during the second semester Dunbar's Theory and History of Banking, and White's Money and Banking serve as guides. The class-room work of this course is supplemented by visits to some of the great commercial institutions in Chicago, such as the Chicago Board of Trade, the Chicago Clearing House, and leading banking establishments. For requirements of admission see the note preceding the announcement of Course A.

E—*Seminary.* 3 to 6 hours.

Tuesdays, 2–4 (October 1 to May 1).

Professor GRAY and Assistant Professor GEORGE.

The seminary is open to graduates and to a limited number of undergraduates who seem to the instructors prepared to make original investigations. No one will be allowed to register for less than three hours per week *throughout the year* in this course. An undergraduate requires the vote of the Faculty in order to register for more than three hours.

Room 20 in the Library building, containing a considerable

library and a table with lock-drawer for each student, is set apart for the exclusive use of the members of this seminary.

Subjects for investigation can be definitely announced only after consultation with those who expect to take the work, the greatest liberty of choice being allowed each student.

The subjects for the current year (1901–1902) are: "Trusts, or Industrial Combinations in the United States. Their Development, Present Status, and Probable Future," and "Some recent Developments in Fire Insurance." For the year 1902–1903, the following subjects are suggested: "A Study of Some Phases of Life Insurance," and "The Growth and Development of the Building Trades Organizations of Chicago."

F—*Commercial Geography and International Trade.* 1 hour.

Mondays, 8.

Professor GRAY.

A general survey of modern commerce. The mechanism, organization and instruments of international trade; the factors determining the values of commodities: the points of origin and methods of producing and preparing for the market and transporting the more important articles entering into the commerce between nations: the relation of the government and of centers of production to national commercial supremacy.

Chisholm's Hand Book of Commercial Geography is used in connection with government publications on trade and industry.

Course F is supplementary to Course C and may well be taken in connection with it.

No credit will be given in Course F until the work of the year is completed. (Not given in 1901–1902).

G—*The Labor Question in Europe and the United States.* 3 hours.

Mondays, Wednesdays, Fridays, 8.

Assistant Professor GEORGE.

The purpose of this course is to acquaint the student with the economic condition of the working-classes in Europe and the United States and to discuss the relation of labor organizations to capital in the production and distribution of wealth. There is a careful study of the rise and growth of labor organizations; the development of the labor contract, and of collective bargaining; State and private efforts for the prevention and the adjustment of industrial disputes: methods of industrial

remuneration; the shorter working day; workingmen's insurance; employers' liability and compulsory compensation acts; provident institutions, such as savings banks, friendly societies, and fraternal benefit orders; and the problem of the unemployed.

Lectures, discussions, and a systematic course of prescribed reading; one written report on a selected topic each semester.

During the year excursions are made to some of the leading factories and to representative tenement-house and sweat-shop districts in Chicago.

Course G requires no previous training in Economics.

H—*Financial and Tariff History of the United States.*

Mondays, Wednesdays, Fridays, 2.

Assistant Professor GEORGE.

FIRST SEMESTER.

The Financial History of the United States. A comprehensive review is made of the subject from 1789 to the present time, with special study of Hamilton's financial system, the struggle concerning the second Bank of the United States, and the finances of the Civil War and of the period of suspended payments.

Bolles' Financial History, 1789–1860, and Noyes' Thirty Years of American Finance are used as guides. The leading acts of Congress upon financial subjects receive careful attention, and selected topics for investigation are assigned.

Omitted in 1901–1902.

SECOND SEMESTER.

The Tariff History of the United States. The economic condition of the country prior to the Revolution, and the commercial relations of the colonies to the mother country are discussed. Then a study is made of the successive tariff acts and their influence upon domestic industry, and upon commerce and international trade. Especial emphasis is laid upon the period following the Civil War, and careful consideration will be given to the more recent development of the subject as a result of the Spanish-American war.

Taussig's Tariff History of the United States and Taussig's State Papers and Speeches on the Tariff are used as general texts. Other reading from various writers is prescribed and the investigation of selected topics is required.

Lectures and discussions.

For requirements of admission to the Course, see the note preceding the announcement for Course A.

Courses Preparing for a Business Career and for the Public Service.

Among the courses described above, special attention is called to those which prepare for a business career or for a career in the public service. The courses recommended are those in Administration, Economic Theory and Economic History, Finance, Money and Banking, Transportation, Commerce and Commercial Geography, and the Labor Question. In addition to the opportunities offered in these courses, students will have the advantage of public lectures to be delivered at the University by representative men of practical experience in business and in public administration. Such a course on the national banking system, commercial banking, bank collections, fire insurance, and transportation, is given the present year. For the year 1902–1903, a course covering a wider range of subjects will be provided.

In addition to the courses and lectures offered by this department, it is recommended that those who wish to specialize in these lines take courses also in Psychology, Modern Languages, History, and Sociology. It is believed that the beginning of the Junior year is early enough to begin specialization in this field; but students who contemplate such specialization should take the course in the Elements of Economics as early as the Sophomore year.

RELIGIONS.

A—*Comparative Religions and History of Christian Missions.* 2 hours.

First Semester.—Wednesdays and Fridays, 11.

Professor LITTLE.

For *Philosophy of Religion*, see Philosophy E.
For *Bible Study*, see courses under that heading.
For *Greek New Testament*, see under Greek.
For *Hebrew Old Testament*, see under Hebrew.
For *History of the Christian Church*, see under History.

SPANISH.

A—*Elementary Spanish.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Miss FREEMAN.

General elective, but especially adapted to advanced students in French. The aim of the course will be the acquisition of the power of intelligent reading. It is expected that advanced students will make the same progress as in the elementary

year in French. The courses in Italian and Spanish are given alternately. Spanish will be given in 1902–1903.

Edgren's Grammar; Reader (Ramsey); Partir á Tiempo (Larra). Ó Locura Ó Santidad (Echegaray).

Composition; Doña Perfecta (Galdos). Un Drama Nuevo (Estebanez). La Familia de Alvareda (Caballero). El sí de las Niñas (Moratín). José (Valdes).

Lectures on the Historical Development of the Spanish language, and on Modern Authors.

SWEDISH.

A—*Swedish.* 3 hours.

Hours to be arranged.

Professor ERICSON.

First Semester.—Modern Swedish Grammar and the Reading of Prose Selections.

Text used: May's Swedish Grammar.

Second Semester.—Tegner's Frithjof's Saga and Selections from Kuneberg.

ZOÖLOGY.

A—*General Biology.* 4 hours.

Lectures, Tuesdays, Thursdays, 9. Laboratory hours to be arranged between 9 and 12 Tuesdays, Wednesdays, Thursdays, Fridays.

Professor LOCY and Mr. HOWARD.

A comparative study of living organisms as a whole, forming an introduction to the study of vital activities. In the laboratory the student acquires a knowledge of methods of study, and is taught to observe, to verify and record his observations. A general survey of the properties of living matter is followed by study of a few selected types of invertebrate animals, beginning with the simplest and proceeding to the more complex. Parker's "Elementary Biology" and Marshall and Hurst's "Practical Zoölogy" are used as handbooks, and these are supplemented by lectures. In the lectures the physiological side receives most attention.

During the second semester a large part of the time is devoted to study of the development of animals, using eggs of fishes, amphibia and the chick. This course is open to all students, and is required of those intending to take either Botany or Zoölogy as a major subject. A knowledge of elementary physics and chemistry is very desirable for all students entering this or any of the following courses.

C—*Cytology and Histology.* 3 hours.

Lectures or recitations Mondays, 9. Laboratory hours to be arranged.

Dr. HILL.

First Semester.—Cell-Life and Elementary Histology. Anatomy and physiology of the cell, microscopical structure of the elementary animal tissues, and principles and practice of the general methods of microscopical technique. Wilson's "The Cell in Development and Inheritance" forms the basis of the work on the cell.

Second Semester.—Microscopical Structure of the Animal Organs. Principles and practice of the important special methods of microscopical technique. Continuation of work of first semester. Böhm-Davidoff's "Text-book of Histology" and Piersol's "Normal Histology" will be used as reference books.

D—*Comparative Anatomy and Physiology of Vertebrates.* 4 hours.

Lectures, Wednesdays, Fridays, 9. Laboratory work to be arranged on Tuesdays, Wednesdays, Thursdays, Fridays, 9–12.

Professor LOCY and Assistant.

First Semester.—Comparative Anatomy. Study of Selected Vertebrate Types. The recitations and lectures will be based on Wiedersheim's "Comparative Anatomy of Vertebrates."

Second Semester.—Vertebrate Embryology. Lectures and laboratory work.

NOTE.—In alternate years, the work of the second semester will be in Physiology instead of Vertebrate Embryology as indicated above.

E[a]—*The Central Nervous System and its Terminal Organs.* 1 hour.

Lecture, Tuesdays, 4. One hour, or accompanied with three hours' laboratory work, two hours.

Professor LOCY.

First Semester.—The Central Nervous System. Comparative Structure of the Central Nervous System, with discussions on some of its physiological activities.

Lectures and demonstrations, adapted to those taking, or

about to take, Psychology, and to others who wish to become acquainted with the structure and general physiology of the nervous system.

Second Semester.—The Structure and Evolution of Sense Organs.

Given in 1902-1903 and in alternate years.

E[b]—*Rise and Development of General Biology and Zoölogy.*

1 hour.

Tuesdays, 4.

Professor Locy.

Historical lectures in which the rise and development of General Biology and Zoölogy is traced from the renascence of science to the present. Particular attention is given to the beginning, the growth, and modification of fundamental doctrines and principles that have become fruitful in the Nineteenth Century. Intended primarily for students taking Zoölogy A or other work in the department. The course is also open to students who have pursued elementary work in General Biology.

Given in 1903–1904 and in alternate years.

F—*Topics of Investigation.*

May be elected as (*a*) five hours or (*b*) ten hours. Hours to be arranged with the instructor.

Professor Locy.

Open to students who have completed two years' work in Zoölogy. Problems of limited extent are assigned after consultation with the professor in charge, and worked out under his direction with such help as is required. This forms an introduction to the work of original research. The completion of the course involves the consultation of the literature bearing on the problem in hand, and the preparation of a thesis embodying the results of the investigation. A reading familiarity with French and German is essential for entering this course.

G—*Research Work.*

May be elected as (*a*) ten hours or (*b*) fifteen hours. Hours to be arranged with the instructor.

Professor Locy.

For graduate students who have completed the equivalent of the courses described above. Similar to Course F, but with

broader scope and more rigid requirements as to the thesis, which must embody a critical review of the principal literature and substantial conclusions based upon the personal work of the student. Offered to students who are candidates for a graduate degree. Means of publication will be found for all papers which are worthy of it.

Major work: Ten year-hours.

ELECTIVES.

In making up his quota of time from elective work, the student's choice of such courses as are open to him is subject to the regulations of each department.

At a date not later than the registration at the beginning of the third year, every candidate for the Bachelor's degree must elect at least one department in which to do *major work*. The specific courses constituting *major work* will be found mentioned under each department. They will involve about ten year-hours given to work in the department, and distributed over at least two years of the general program. The election of the department for *major work* will enter into the registration of the third year, and the professor at the head of the department becomes the student's adviser thereafter.

Students are advised to give careful thought to the planning of their elective work as early as the beginning of the second year. They may find it much to their advantage to devote the whole, or a large part, of their elective time in the second year to the *major subject*. The privilege of elective work will be made more profitable to the student by adhering consistently to a plan adopted for the year, rather than by changing it, in the hope of improvement, after it is begun.

COURSE OF STUDY IN ENGINEERING.

The following program of college studies is offered to candidates for the degree of Bachelor of Science who intend to enter the profession of Engineering. In addition to the courses prescribed for the degree of Bachelor of Science, the program includes the fundamental engineering studies. The completion of the program will reduce the time usually spent

in an engineering school to two years; or it will enable a student to enter immediately upon practical engineering work.

ESSENTIAL COURSES.

First Year—	*Second Year—*
Rhetoric, Synonyms (English A).	Intermediate German (German A).
Modern French (French A).	Calculus (Math BB).
General Physics (Physics A).	Thermodynamics (Physics D).
Algebra, Trig. and Anal. Geom. (Math AB).	Mechanical Drawing (Physics G).
	Surveying (Math. L).

Third Year—	*Fourth Year—*
Philosophy of Religion (Philosophy E).	Political Economy A.
History of Eng. & Am. Literature (Lit. I).	General Chemistry (Chem. A).
Calculus and Diff. Equations (Math. J).	Electricity (Physics F).
Electricity (Physics C).	Applied Mechanics (Physics H).
Shopwork (Physics K).	
Kinematics of Mach'y (Physics L).	

RECOMMENDED ELECTIVES.

Geology A.	Mineralogy A.	Chemistry B.
History AB.	Assaying.	Chemistry C.
Mathematics K.	Economic Geology.	Chemistry D.
Physics B.		

PROFESSIONAL STUDIES.

In some of the subjects taught in the College of Liberal Arts the instruction is so nearly identical with that given in the professional schools that students, by making a proper choice of electives, may qualify themselves for advanced standing in those schools. Students entering the Law or Medical school with this advanced credit may, by taking extra studies, reduce by one year the time required for earning both the collegiate and professional degrees. The same end may be attained while the student is enrolled in the College of Liberal Arts, by the election of permitted work in the professional schools.

The following detailed statement is made respecting combined courses in collegiate and professional studies:

Collegiate and Medical Studies. Students intending to enter the Medical School and desiring to shorten the time required for the degrees in Arts and in Medicine, can accomplish this result by spending four years in the College of Liberal Arts and electing the following courses: Chemistry A and B, Physics A, Zoölogy A, C, D, and E. Or such students, if they have secured one hundred semester-hours of credit at the end of their third year in the College of Liberal Arts, and have included therein all the prescribed studies listed for their degree, may enter the Medical School at the beginning of the next year.

Collegiate and Law Studies. Students desiring to shorten the time required for the degrees in Arts and in Law, or the period of study required for admission to the bar, should elect the following courses offered in the College of Liberal Arts: Political Economy B, and History B, C, and H. Those taking all these courses may obtain advanced standing in the Law School of this University, and are also entitled to a certificate, which in some states will be accepted as counting a year in the period of study required of all candidates for the bar. Or such students, if they have secured one hundred semester-hours of credit at the end of their third year in the College of Liberal Arts, and have included therein all the prescribed studies listed for their degree, may enter the Law School at the beginning of the next year.

Collegiate and Theological Studies. Students who contemplate the study of Theology after graduation are advised, during their undergraduate course, to make themselves proficient in Greek, Latin, and German. They should also elect Philosophy A and B, as well as Moral Philosophy A.

In the Garrett Biblical Institute they can shorten by one year the time required for the degree of Bachelor of Divinity by obtaining credit during their undergraduate course in the College of Liberal Arts for the following subjects: Hebrew A and B, Greek N, and History L.

Credit for studies pursued in the professional schools is restricted to work done in schools of this University; and the time spent in these schools cannot be credited toward the one year of residence required in the College of Liberal Arts of all candidates for a degree. In no case can more than twenty semester-hours be credited for work done in the professional

schools; neither can credit be thus granted for any subject for which the student has previously obtained credit in whole or in part in this college.

Under conditions elsewhere stated, students having a Bachelor's degree, who are enrolled in some one of the professional schools, may become candidates for the Master's degree while pursuing professional study. (See p. 135.)

GRADUATE WORK.

Certain advanced courses of instruction are offered in the College of Liberal Arts to graduate students. This work has not as yet been organized into a distinct graduate school. The conditions under which students may be registered for graduate work are elsewhere stated (see p. 132), as are the terms under which the advanced degrees may be conferred (see p. 135).

Students desiring to enter upon graduate work are advised to consult or correspond with the chairman of the Committee on Graduate Study, Professor Henry Crew.

The progress of candidates for advanced degrees will be tested from time to time by the instructors in charge, who will report thereon to the Faculty at least once a semester.

REGISTRATION.

Undergraduate Registration. Every undergraduate student is required to present himself for registration at the office of the Registrar, University Hall, and to complete his registration by the evening of the first Thursday of each semester. The following are the rules governing the registration of undergraduates.

1. Registration days are the first Monday, Tuesday, Wednesday, and Thursday of the semester.

2. On the registration days of the first semester the student must register for the work of the whole year. He is expected to continue throughout the year the work then registered for, and may not change it without special permission from the Registration Committee.

3. Before completing their registration, students are required to consult their Faculty advisers as to their college work.

4. No college credit can be obtained for class work not regularly registered.

5. Every student must register for fifteen hours of work a week, unless permission has been obtained from the Registration Committee to register for less or more. Permission to register for more is a privilege, and will not be granted unless the committee is satisfied the student can carry the whole work creditably. Two hours of laboratory work are credited as one hour.

6. All undergraduates shall state upon their registration papers the full amount of work which they propose to undertake each semester, whether in the College of Liberal Arts or elsewhere, indicating the number of hours to be devoted to each subject, and the school or department in which it is proposed to do such work.

7. All students of the College of Liberal Arts desiring to take work in any other department of the University must first obtain formal consent from the Faculty of the College of Liberal Arts and also from the Faculty of the department concerned, and must file such consent with the Registrar prior to undertaking the work. Failure to comply with this regulation will be deemed sufficient cause for the cancellation of the entire registration of the student concerned.

8. No one will be entered as a candidate for a degree who has deficiencies in entrance work amounting to more than five hours a week through one year; and no student will be credited in the published lists of the catalogue with college work until these deficiencies are made up.

9. Required subjects take precedence in registration in the order of their requirement.

10. On the registration days of each semester all students must obtain from the Registrar vouchers for presentation at the Business Office of the University.

11. A fee of two dollars is charged for registration completed later than the appointed registration days.

Graduate Registration. Every graduate student, whether resident or non-resident, proposing to pursue advanced work, whether he intends to become a candidate for a degree or not, is required to register for this work in the office of the Registrar. The following are the rules governing such registration:

1. The registration of resident candidates for the Master's

degree in Arts, Science, Philosophy, or Letters, must be effected not later than the first Monday in October next preceding the date of the final examination. In the case of non-resident candidates it must be effected one year earlier.

2. A student desiring to become a candidate for the Master's degree above mentioned, while enrolled in one of the professional schools of this University, must also register in the College of Liberal Arts, and is regarded, for this purpose, a resident candidate under Rule 1.

3. A student who does not become a candidate for the Master's degree until after graduation from one of the professional schools of this University, must register for the same as early as the first Monday in October next following the completion of the professional course.

4. The registration of a candidate for the Doctor's degree must be effected not later than the first Monday in October.

5. A candidate for an advanced degree, prior to his registration, must make written application for enrollment to the Registrar, and furnish to him all data required for due record of his application, together with a statement of the courses of study he proposes to pursue.

6. The above application and statement of courses must be approved by the Committee on Graduate Studies and the heads of departments under whom the work is to be taken, and such approval must be filed with the Registrar as a condition preliminary to registration.

7. Graduates of this, or any other college, who are not candidates for an advanced degree, may, with the consent of the departments concerned, register as resident students in such advanced studies as they are found prepared to pursue.

ABSENCES.

When, in any semester, the absences of a student in a single subject exceed one-eighth of the total number of assigned exercises in that subject, he will be required to take, at the close of the semester, besides the regular examination, an *additional* examination in that subject on the last Friday of the semester.

Students absent from a required *additional* examination are held to take that examination at the next date set for it, and no credit can be given until the examination is passed.

When a student's absences in any study amount to one-

sixth of the total requirement in that study, his registration in that subject will be canceled, and the privilege of examination denied. This rule is administered by the Committee on Records and Registration, which has power also to restore the canceled registration.

EXAMINATIONS.

At the close of each semester, *regular* examinations are held in the studies of the semester. Any student may be excluded from examination whose daily work has not been satisfactorily done.

A *second* examination is appointed for students who have been absent from any regular examination, or who have failed to receive passing grade of credit on a semester's work in any study. This examination will be held in the forenoon of the first Wednesday in the first semester, and of the first Monday and the Monday following Easter in the second semester. No student may take more than one second examination for the same item of credit.

Additional examinations to make up work which has been lost by excess of absence from class-work are appointed for the last Thursday of the first semester and the last Friday of the second semester.

Incomplete work, not made good before the close of the next succeeding semester, is recorded as *failed.*

Each student reported as *failed* in any study must make good the deficiency within nine months, or take the work again with the succeeding class in order to obtain credit for it.

Undergraduates are not allowed credit for work done *in absentia.* Only those who have duly registered and regularly pursued their studies in their classes are admitted to examinations.

GRADES OF SCHOLARSHIP.

At the end of each semester the standing of a student in each of his courses is reported by the instructor to the Registrar and entered of record. The student's standing is expressed, according to his proficiency, by one of five grades,

designated A, B, C, F, R. Grade A denotes excellent scholarship; grade B, good scholarship; grade C, poor scholarship; grade F, failure, making necessary a second examination; grade R, failure so serious that the work must be taken over in class. Grades A, B, and C count toward a degree; but no more than one-eighth of the work offered to meet requirements for graduation may be of grade C. One semester's work marked C may be counted toward graduation for each subsequent semester's work which is of higher grade in the same department; work marked C, not released by subsequent higher work in the same department, may be released by examination under the same regulations as apply to work marked grade F; the original mark, however, will remain in the record.

When a mark F is removed by a secondary examination, the work shall be recorded as grade C released.

The semester record of each undergraduate is sent by the Registrar to the student's father or guardian.

CLASSIFICATION.

For the purpose of listing in the catalogue, the names of undergraduates are placed alphabetically in two groups under the headings:—Candidates for the Bachelor's Degree, and Students not Candidates for a Degree. Opposite the name of each student in the first list are indicated the degree for which he is a candidate and the number of semester-hours of work already accomplished.

DEGREES.

Different lines of study lead to the degrees of Bachelor of Arts, Bachelor of Philosophy, Bachelor of Science, and Bachelor of Letters. The following regulations have been prescribed relating to the attainment of these degrees:

THE BACHELOR'S DEGREE.

1. A student in order to become a candidate for a Bachelor's degree must formally announce his intention by filing his petition with the Registrar, using for the purpose a form provided by the University. The petition must be filed on or before the last Satur-

day in May of the year next preceding the year in which the candidate expects to obtain the degree.

2. He must have pursued his studies, in residence, in the College of Liberal Arts of this University for at least one college year.

3. He must have completed all the courses prescribed for that particular degree, and such elective courses in addition as to have secured a total credit of one hundred and twenty semester-hours. The total credit obtained must include major work in at least one department.

4. In making up the total number of hours required for graduation, not more than one-eighth of the work done under this Faculty may be of the grade designated as C.

THE MASTER'S DEGREE.

The Masters' degrees are open to Bachelors of Arts, Philosophy, Science, or Letters of this University, or of any other institution of accepted grade. The following regulations have been prescribed:

1. Before being recommended for any Master's degree the student must have pursued his studies in residence in the College of Liberal Arts of this University for at least one year, except as stated below. The provision "in residence" requires regular attendance upon all prescribed lectures or other exercises in the courses which the candidate pursues. Such prescribed lectures and exercises will occur at least once a week in each course of instruction. Graduates of other institutions will not be admitted to the College of Liberal Arts as *non-resident* candidates for the master's degree.

2. Any Bachelor of this University may become a non-resident candidate for the corresponding Master's degree; but without residence a candidate cannot receive the degree earlier than two years after graduation.

3. Any Bachelor of this University, or of another institution of accepted grade, may become a candidate for the Master's degree while pursuing studies in the Medical, Law, or Theological schools of this University, or on the completion of the professional course.

4. The candidate must obtain credit in approved courses of study amounting to thirty semester-hours, unless he is enrolled in one of the professional schools above enumerated, or has graduated therefrom, in which case his credit must amount to twelve semester-hours of advanced work in an approved field of study, in addition to the completion of the maximum prescribed professional course. This advanced work may be taken either under the Faculty of Arts or the Faculty of the professional school, but in either case it must

be approved by the Committee on Graduate Study of the College of Liberal Arts.

5. At least one-half of the work offered for the degree must be chosen from one or, at most, two departments of study in which the candidate has previously taken the undergraduate *major work*, or an equivalent.

6. The candidate must present a thesis on an approved topic pertaining to the primary subject. The subject of this thesis must be filed with the Registrar not later than the first Wednesday in December, the thesis itself must be filed as early as the Saturday immediately preceding the last Monday in April.

7. Candidates for the Bachelor's degree who during their undergraduate course devote their excess of time to the continuation of their major subject, or to such other advanced topics as may be approved by the Registration Committee, may have such work, if satisfactorily completed, credited toward the Master's degree. But in no case will the Master's degree be conferred in less than one year after the conferring of the Bachelor's degree.

8. A non-resident candidate will be required to make written report from time to time as to the progress of his work.

9. The final examination of candidates will take place at the University at an appointed date, which will be about May 20th.

THE DOCTOR'S DEGREE.

The degree of Doctor of Philosophy will be conferred under the following conditions:

1. The candidate must have received the Bachelor's degree from this institution, or from some other of accepted standing.

2. The degree may be conferred on successful candidates after three years of graduate study, of which at least two must be in residence. The last year, or the first two years, of the three required must be spent in residence at this University. The period of three years may, however, be shortened in the case of students who, as undergraduates, have pursued special studies beyond the requirement for major work in the direction of their proposed graduate work. Study for any specified time will not be regarded as sufficient ground for conferring the degree. High attainments in scholarship and evidence of original investigation will be expected. "In residence" will be interpreted as defined under the requirements for the Master's degree.

3. Two-thirds of the candidate's time must be given to advanced work in some one department which shall constitute his primary subject. The remaining time must be given to either one or two secondary subjects. The requirement, "advanced work," will imply

an amount of preliminary study in the given subject equivalent to at least the undergraduate "major work" of the department concerned.

A reading knowledge of French and German will be required, as a preliminary qualification. In exceptional cases an equivalent in Latin, Greek, or Hebrew may be accepted instead of French.

4. Every candidate must present a thesis upon an approved topic pertaining to his primary subject. The thesis must give evidence of original investigation. A revised type-written copy must be presented to the Registrar as early as the Saturday next preceding the last Monday in April. If the thesis is approved the candidate must, within such time as shall be designated, present twenty-five printed copies of it to the University Library. The final examination, which will be held about May 20th, will be both written and oral, and will cover the entire primary subject, including the topic of the thesis.

Each branch of the secondary subject may be completed whenever the candidate shall pass a written examination upon it.

The following joint requirements have been made by the College of Liberal Arts and Garrett Biblical Institute for the attainment of the degree of Doctor of Philosophy by students in theology:

1. The candidate for the degree of Ph. D. must have completed a Bachelor's course, the sufficiency of which has been accepted by a joint committee of the Faculty of the Institute and the Faculty of Liberal Arts.

2. He must have completed two full years of theological study, either in the Garrett Biblical Institute or in another theological school of recognized high standing.

3. He must be accepted as a candidate for the degree of Ph. D. by a vote of the Faculty of the Institute, and be registered as a candidate for such degree with the Registrar of the College of Liberal Arts; after which he must continue in residence at least two years, and complete the work of two full years. Of this work two-thirds must be taken in one department of the Institute—the department in which the candidate does his primary work. The remaining third may be taken in not more than two departments of the Institute, or of the graduate school of the College of Liberal Arts. The whole course of study selected will be subject to the approval of the Faculty of Liberal Arts, through its committee on Graduate Study. During the two years of his residence the candidate will be subject to the direction of the head of the department in which his primary work is taken.

Of the four years required as a *minimum* for the degree of Ph. D., three at least must be spent in residence at a theological school of high standing, and the last two at Garrett Biblical Institute.

4. A reading knowledge of French and German will be required as a preliminary qualification. In exceptional cases a reading knowledge of Latin, Hebrew, or Greek may be accepted in lieu of French, at the option of the Faculty of Liberal Arts.

5. *Thesis.* Each candidate must present a thesis prepared by him, upon some topic related to his primary subject. The thesis must give evidence of original investigation. A year prior to the final examination, the subject of the thesis must be approved by the professor under whom the primary work is performed, and three months before the final examination it must be submitted to him for criticism. After criticism it must be presented again in typewritten form, upon letter paper of a good quality, of the quarto size, with a margin of not less than one inch at the top, at the bottom, and on each side. If the thesis is approved the candidate must, within a time designated, present twenty-five printed copies to the University Library.

6. The final examination will be both written and oral, and will cover the entire primary subject, including the topic of the thesis. Each branch of the secondary subject may be completed whenever the candidate shall pass a satisfactory written examination upon it.

7. The College of Liberal Arts shall always be represented on the committees for examining theses and candidates.

8. Graduate students in the College of Liberal Arts will be admitted to the graduate courses in Garrett Biblical Institute free of charge for tuition or incidentals.

GOVERNMENT.

Students are temporary residents of the city, and as such are amenable to the laws of the state and the ordinances of the city. They are also subject to the rules and regulations made by the Faculty. They are held to have a knowledge of the Statutes of the University and of all Faculty requirements published in this catalogue, or otherwise brought to their attention.

Students may be separated from the institution whenever in the opinion of the Faculty they are pursuing a course of conduct seriously detrimental to themselves or the University. The University will not tolerate either idleness or dissolute habits.

Athletics.—The following action relative to athletics has been taken by the trustees:

A committee for the regulation of athletic sports shall hereafter be annually appointed and chosen as follows: Three members of the University Faculties and three alumni of the University, these six to be appointed by the executive committee; and also three undergraduates to be chosen during the first week of the College of Liberal Arts year by the Athletic Association.

The committee shall have entire supervision and control of all athletic exercises within and without the precincts of the University, subject to the authority of the Faculty of the College of Liberal Arts.

In accordance with this action, a Committee for the Regulation of Athletic Sports has been created, and has adopted the following regulations, based on the Intercollegiate Conference Rules:

1. No one shall participate in any intercollegiate game or athletic sport unless he be a *bona fide* student, doing full work in a regular or special course, as defined in the curriculum of his college; and no person who has participated in any intercollegiate game as a member of any college team shall be permitted to participate in any game as a member of another college team until he has been a matriculant in such college, under the above conditions, for a period of one year, or has obtained a college academic degree; academy students shall not be eligible to membership on the college teams.

2. No person shall be admitted to any intercollegiate contest who receives any gift, remuneration, or pay for his services on the college team.

3. No student shall play on the teams of any college or colleges for more than four years in the aggregate.

4. No student shall participate in any intercollegiate contest who has ever used or is using his knowledge of athletics or his athletic skill for gain. No person who receives any compensation from the University for services rendered by way of regular instruction shall be allowed to play on any team.

5. No student shall play under an assumed name.

6. No student shall be permitted to participate in any intercollegiate contest who is found by the Faculty to be delinquent in his studies.

7. All intercollegiate games shall be played on grounds either owned by, or under the immediate control of, one or both of the colleges participating in the contest, and all intercollegiate games

shall be played under student or college management, and not under the control of any other corporation, association, or private individual.

8. The election of managers and captains in each college shall be subject to the approval of its committee on athletics.

9. College football teams shall play only with teams representing educational institutions.

10. At least ten days before every intercollegiate contest, the respective chairmen of the athletics committee of the institutions concerned shall submit to each other a certified list of players eligible, under the rules adopted, to participate in said contest. It shall be the duty of the captains of the respective teams to exclude from the contest all players save those so certified.

11. Athletic committees shall require each candidate for a team to represent the University in intercollegiate contests to subscribe to a statement that he is eligible under the letter and spirit of the rules adopted.

12. No person having been a member of any college athletic team during any year, and having been in attendance less than *one college half-year*, shall be permitted to play in any intercollegiate contest thereafter until he shall have been in attendance six consecutive calendar months.

13. No schedule of games shall be fixed without the approval of the Committee for the Regulation of Athletic Sports. No additional dates for games shall be accepted without the approval of the chairman of said committee.

14. The selection of players for any team shall be subject to the approval of the Committee for the Regulation of Athletic Sports. And, in order to provide proper information on which to act, every student desiring to play on any team shall fill out a blank prepared by the committee. To this certificate shall be appended a certificate signed by the physical director, attesting the applicant's physical fitness for membership in the team proposed.

15. No students of the departments situated at Evanston, and no member of any University football or baseball team, shall, during term time, without the permission of the Committee for the Regulation of Athletic Sports, play on any like team not connected with the University.

The Committee for the Regulation of Athletic Sports for the current year consists of the following members: Professors Long, White, and J. A. Scott; Messrs. F. B. Dyche, '80; J. F. Oates, '93; A. N. Culver, '94; A. F. Johnson; F. H. Scheiner, and C. E. Dietz.

Musical Clubs.—Student musical organizations, such as glee, banjo, or mandolin clubs, are under the supervision of a Faculty Committee appointed for that purpose. The chairman of the committee is to be informed of the intended organization of any such association, with its proposed plans, purpose, and membership. No formal organization is permitted without the knowledge and sanction of the committee. It is especially necessary that the business managers of such organizations make no final arrangements for public appearances of the clubs without the consent of the committee. Under no circumstances will concert dates be permitted to interfere with examinations, or to interrupt study routine. Students with defective standing are not allowed to be connected with such organizations.

The Committee on Musical Organizations consists of Professors Lutkin, Crook, and Hatfield.

Social Entertainments.—In the interest of the college community the Faculty has adopted the following regulation:

> No organization or group of students shall hold in any year more than one party or social entertainment at which both ladies and gentlemen are present. Previous permission must in all cases be obtained from the Committee on Social Affairs. Such parties or entertainments shall close not later than eleven o'clock.

The Committee on Social Affairs consists of Professors Young, Fisk, Lutkin, Atwell, and Dean Crow.

RELIGIOUS WORSHIP.

The charter of the University provides that "no particular religious faith shall be required of those who become students of this institution." The University was not established with the view of forcing on the attention of students the creed of any particular church, but for the promotion of learning under influences conducive to the formation of a manly Christian character. This continues to be its aim and purpose.

Students are expected to attend public worship on Sunday in the church of their choice.

Chapel service is held at noon of each week day except Saturday. Attendance is required under the following regulations:

1. When a student's record shows an attendance of less than three-fifths of the chapel exercises of any semester, then one semester-hour is added to the requirements for graduation of that student for every three credits needed to make good the deficiency. In applying this rule, a deficiency of only one or two credits is passed over to the next semester. In larger deficiencies, the excess above the highest multiple of three is carried over.

2. When at the close of a semester the chapel record of a student shows a surplus of chapel credits, the surplus credits are applied to cancel any semester-hours which may have been added to the requirements because of defective chapel record of any preceding semester; and the surplus chapel credits not needed to remove such semester-hours are transferred to the chapel record of the following semester.

3. When a student's chapel record shows a deficiency of credits for two distinct semesters which has not been removed by surplus credits in other semesters, he is not permitted to register again until permission is obtained from the Faculty through the Committee on Chapel Attendance by petition.

The Committee on Chapel Attendance consists of Professors Baird, Crook, and Patten.

Christian Associations. A Young Men's Christian Association and a Young Women's Christian Association exist as distinct organizations, and exert a helpful influence upon the religious life of the students. Under the direction of these organizations, religious meetings are held each week, and daily study of the Bible is promoted.

STUDENT ORGANIZATIONS.

Through the agency of voluntary student associations an active interest is maintained in matters which relate to the intellectual and social life of the student community.

Central Debating League. Northwestern University, the University of Michigan, the University of Chicago, and the University of Minnesota compose the Central Debating League. The purpose of this organization is the development of readiness and skill in speech and debate, through the public discussion of leading questions of the day.

The universities named are arranged in two groups for the semi-final debates. The final contest in each year takes place in

Chicago on the first Friday in April, at which time the debate is between the winners from the groups.

Through the generosity of Mr. Alexander H. Revell, of Chicago, a prize of fifty dollars is annually awarded to the side winning in the final debate.

Northern Oratorical League.—The oratorical associations of Northwestern University, the University of Michigan, the University of Wisconsin, the University of Iowa, the University of Chicago, and Oberlin College compose the Northern Oratorical League. The purpose of this organization is to promote an interest in public speaking, and to elevate the standard of oratory, by holding annual contests. The contests of the League are open only to undergraduates.

Through the generosity of Mr. Frank O. Lowden, of Chicago, a prize of $100 is annually awarded to the successful contestant, and one of $50 to the person winning second place.

Literary and Scientific Societies.—The following societies and clubs meet regularly for purposes of literary culture or for the advancement of knowledge in special fields: Hinman Literary Society, Rogers Debating Club, Adelphic Literary Society, Science Club, Die Deutsche Gesellschaft, Der Deutsche Litteratur Verein, Botanical Club, Zoölogical Journal Club, Mineralogical Journal Club, Coffee Club, History Club. Some of these organizations are composed of members of the Faculty and advanced students, who meet together for the presentation and discussion of the problems pertaining to their special departments.

Other Organizations.—Various other organizations are maintained by the students, including an Athletic Association, Glee, Banjo, and Mandolin Clubs.

THE UNIVERSITY SETTLEMENT.

An association, composed of alumni and friends of the University, maintains at 252 West Chicago Avenue, Chicago, the Northwestern University Settlement. College graduates and others reside in the settlement house, and seek to influence the surrounding community as members of it. Opportunity is also offered to undergraduates for philanthropic work and practical acquaintance with sociological problems. The plan includes classes for instruction, clubs for social improvement, a reading-room, lectures, concerts, house-to-house visitation, and legal and medical dispensaries. The expenses are met by membership subscriptions and voluntary contributions.

FELLOWSHIPS AND SCHOLARSHIPS.

Fellowships.—The University has maintained during the year 1901–1902 six fellowships.

These fellowships are offered in the departments of Botany, History, Mathematics, Physics, and Zoölogy, for the purpose of encouraging advanced study in the branches named. The period of incumbency is limited to one academic year, which must be spent at this University, and the incumbents are required to give limited assistance in the work of instruction.

The Catherine M. White Scholarships.—The University has received a bequest of nine thousand dollars under the will of Catherine M. White, of Evanston, to establish three scholarships.

The Missionary Scholarships.—The Board of Trustees of the University, in June, 1899, established two scholarships in the College of Liberal Arts, entitling the holders to free tuition. The Northwestern Branch of the Woman's Foreign Missionary Society of the Methodist Episcopal Church may nominate to these scholarships persons intending to enter upon mission work in the foreign field. In making nominations preference is given to students from foreign lands.

The Methodist Episcopal Church Scholarship.—A scholarship yielding annually the interest on one thousand dollars has been founded by the First Methodist Episcopal Church of Evanston, for the benefit of meritorious students.

The Chicago Record-Herald Scholarship.—A scholarship, the gift of the Chicago *Record-Herald*, which affords free tuition and incidental expenses, is each semester awarded by the Faculty.

The Marcy Scholarship in Biology.—A table has been secured at the Marine Biological Laboratory, Wood's Holl, Massachusetts, for the sole use of advanced students from the biological departments of the College of Liberal Arts. The occupants of this table will be entitled each season to all the privileges of the laboratory, including instruction, lectures, and the use of

appliances and apparatus. The appointments to the scholarship will be made in June.

High School Scholarships.—A scholarship giving free tuition for the first year of the college course is granted to each of the high schools in the State of Illinois on the accredited list of the University. The scholarship will be awarded to the graduate of the school who has completed the requirements for admission to college, and who is certified to by the principal of the school as having the most satisfactory record of scholarship in the class. In case the pupil having the highest grade does not avail himself of the scholarship, it may be granted, at the discretion of the President, to the candidate next in rank.

PRIZES.

The following prizes are offered to the students in the College of Liberal Arts who are candidates for a degree. No successful contestant can become a second time a competitor for the same prize. No person will be allowed to compete for any prize against whom, at the time for appointing contestants, unredeemed failures are recorded in more than one department of study.

The Kirk Prize in Oratory.—A prize of one hundred dollars, the gift of Mr. John B. Kirk, of Evanston, will be awarded each year to the member of the graduating class who excels in original oratory. The conditions on which the award will be made are as follows:

1. Five contestants will be appointed by the Faculty, and announcement of the appointments will be made the first Friday in May.

2. These appointments will be made on the basis of the rhetorical work done during the last three years of the undergraduate course—equal weight being given to the following records: (1) English A; (2) English B; (3) Elocution B; (4) Elocution C; (5) Orations of the fall and winter terms of the year of graduation; (6) the Oration of the spring term of the same year.

3. At this contest no prompting of the speakers will be allowed, and failure of memory will exclude a competitor from consideration in the assignment of the prize.

4. The award will be made by a committee appointed by the

Faculty, but composed of persons who are not members of the Faculty. The decision will be announced at Commencement.

The Patten Prize in Oratory.—Mr. James A. Patten, of Evanston, offers, each year, three prizes of fifty dollars, thirty dollars, and twenty dollars, respectively, to the contestants obtaining the first, second, and third honors in the preliminary contest to determine who shall represent the University in the Northern Oratorical League contest.

The Harris Prize in Political and Social Science.—A prize of one hundred dollars, the gift of Mr. Norman W. Harris, of Chicago, will be awarded to the writer of the best essay on an assigned topic in the department of Economics, Finance, and Administration. The subject for the year 1901–1902 is: "Trusts, or Industrial Combinations in the United States: Their Development, Present Status, and Probable Future." For the year 1902–1903 the subject is: "A Study of Life Insurance."

The conditions on which the Harris prize will be awarded are as follows:

1. No undergraduate student will be allowed to compete for this prize unless he shall have completed at the time of making the award the equivalent of Courses A and C in Political Economy.

2. Essays offered in competition for this prize must contain not less than 10,000 words, and must be either printed or typewritten. If typewritten, they must be on letter paper of a good quality, of the quarto size, with a margin of not less than one inch at the top, at the bottom, and on each side, so that they may be bound without injury to the writing. On the title-page of each essay must be written an assumed name, and under cover with the essay must be sent a sealed letter containing the true name of the writer and superscribed with his assumed name.

3. The copies of all essays submitted for this prize become the property of the college, and the essay receiving the prize shall have indorsed upon it a certificate of that fact.

4. Each year the essays submitted in competition for this prize must be deposited with the Registrar of the Faculty before 12 o'clock noon on May 1st.

5. The Faculty will appoint three judges of the essays offered and the prize shall be awarded to the essay declared by at least two of the judges to be the best; *provided*, that the University expressly reserves

the right to make no award of the prize in any year in which the best essay offered shall, in the opinion of a majority of the judges, not be of sufficient merit to deserve a prize.

The Gage Debate Prizes.—Three prizes, of fifty, thirty, and twenty dollars, respectively, are given annually by the Hon. Lyman J. Gage for excellence in debating. The recipients of these prizes are selected through a series of debates, held in the autumn of each year, to which students from all departments of the University are eligible. The three men receiving the highest marks in this series of debates receive the Gage prizes in the order of their markings, and they also become the representatives of the University in the annual contest of the Central Debating League.

The Cleveland Prize in Declamation.—Two prizes of fifty and twenty-five dollars, respectively, the gift of Mr. C. B. Cleveland, of Evanston, will be given to the students who shall excel in declamation.

1. Six candidates will be appointed by the Faculty, the selection being confined to students who have completed not less than fifty hours of college work, Elocution B included.

2. The announcement of the contestants for 1903 will be made on October 1, 1902, and the contest will occur on the evening of February 20, 1903.

3. In the competition, at least one of the prizes must be given for an oratorical effort. In no case may a declamation exceed twelve hundred words.

4. At this contest no prompting of the speakers will be allowed, and a failure of memory will exclude a competitor from consideration in the assignment of the prize.

5. The award will be made by a committee appointed by the Faculty, but composed of persons who are not members of that body.

The American School of Classical Studies at Rome.—The University is a contributor to the support of the American School of Classical Studies at Rome, and is represented by a member of the faculty on its Board of Managers. The school affords facilities for archæological and classical investigation and study in Rome, and graduates of the College of Liberal Arts are entitled to all its advantages without expense for tuition.

THE GROUNDS AND BUILDINGS.

The Campus has an area of about forty-five acres, and is beautifully situated on the shore of Lake Michigan. University Hall, the Fayerweather Hall of Science, the Dearborn Observatory, Fisk Hall, Memorial Hall, Swift Hall, the Orrington Lunt Library, the Gymnasium, the Old College, and the Dormitory, Heck Hall, are all on the Campus. Willard, Pearsons, and Chapin Halls are distant from it about three minutes' walk.

The University has provided large athletic grounds suitably prepared for use. A grand stand, erected by the alumni and students, furnishes seats for about seven hundred persons. In connection with it are dressing-rooms for the use of athletic teams, together with the necessary baths.

A detailed statement as to the University buildings in Evanston is given below. An account of those which are in Chicago will be found in the portions of the catalogue which relate to the professional schools.

University Hall was erected in 1869. It contains the museums of anthropology, botany, geology, and zoölogy, the botanical and zoölogical laboratories, as well as a large number of lecture and recitation rooms. Adjoining the recitation rooms are the private offices of the professors. Here also is the office of the President of the University.

The Fayerweather Hall of Science, erected in 1886, was the gift of the late Mr. D. B. Fayerweather, of New York City. It is constructed of stone and red pressed brick, with terra-cotta trimmings.

The front is 130 feet, and the depth 60 feet. At the rear are two wings, extending 54 feet, inclosing a court 54 feet square. The whole building is divided into two departments, for chemistry and physics, separated by a fireproof wall reaching from the foundation to the roof. The building is heated with steam, and is thoroughly ventilated. It has the latest improvements and facilities for instruction in chemistry and physics.

The Dearborn Observatory was erected in 1888–89 through the generosity of Mr. James B. Hobbs, of Chicago. Its length from north to south is 81 feet, and its greatest breadth is 71 feet. It is constructed of stone in the most substantial manner. The building

includes a dome for the great Equatorial, a Meridian Circle room, Library, and eight additional rooms for other purposes. The whole is arranged especially for convenience in carrying on astronomical work.

The Orrington Lunt Library Building was erected in 1893–94. Its erection was made possible by a gift from the late Mr. Orrington Lunt, of Evanston, supplemented by the gifts of other generous donors. The appearance of the building, in its proportions and architectural details, is noble and pleasing. The material used is Bedford limestone. The dimensions of the building are 150 by 56 feet. The main floor contains the room for book storage, supplemented by a room in the basement, the reading room, and the offices of administration. On the second floor there is an auditorium of handsome finish, with seating capacity for five hundred persons. On the same floor there is a large lecture-room, and other apartments for class, seminary, or office use. In the third story, which extends over the central section of the building, and in the well-lighted basement, there are rooms used for recitations and also for general University service. The building is heated by steam from a detached station. It is lighted throughout by gas and electricity.

Fisk Hall.—This building was erected in 1898 and dedicated January 28, 1899. It is devoted to the work of the Academy, and is named for Principal Herbert F. Fisk, who has been connected with the Academy since 1873. The building is Romanesque in style, and is a three-story structure of brick and terra-cotta, with stone trimmings and a tile roof. It cost about $75,000, and was the gift of Mr. William Deering. The building stands at the south end of the Campus and has a frontage of 180 feet on Sheridan road. The heating, lighting, and ventilating appointments of the building are as perfect as science can make them. Both gas and electricity are used in lighting. The woodwork throughout is of quartered oak.

The Annie May Swift Hall.—This building was erected during the years 1894–95, for the work in elocution and oratory. The style of architecture is Venetian. The lower part of the building is of rock-faced Lemont limestone, and the upper stories of buff-colored Roman brick and terra-cotta. The floor is of red tile. The building is heated by steam and lighted by both gas and electricity. It is named in memory of a deceased daughter of Mr. Gustavus F. Swift of Chicago, one of the trustees of the University, and the largest contributor for the erection of the building. On the first floor are an auditorium, reading, and reception rooms. The second story is divided into fifteen rooms for private instruction. The floors and partitions are deadened by an improved system of construction.

Music Hall is situated immediately north of Woman's Hall, a

short distance west of the Campus. It is designed as a home for the School of Music, and was completed in time for occupancy during the spring term, 1897. It is substantially built of stone and brick, surmounted with a tile roof and finished in Georgia pine. The first floor is divided into fourteen teaching and practice rooms, including an office. The second floor contains three additional class-rooms and a well-arranged concert-hall, seating over three hundred. The hall is provided with a large stage, dressing-rooms, a grand piano, and a two-manual pipe-organ with pedals.

Old College.—This building, the first to be erected by the University, originally stood on the corner of Hinman Avenue and Davis Street. For many years it was the only building which the University used for educational purposes. The building was moved to the Campus, in 1871, and was enlarged for the use of the Academy. In 1899, it was moved from the site west of Fisk Hall and fronting the Sheridan road, to its present position south of the gymnasium and to the rear of Fisk Hall. It has been refitted and is used at present for general University purposes.

Gymnasium.—This is a well-lighted, two-story brick building. The basement contains dressing-room, lockers, baths, and a place for ball-throwing. The exercising-room is 40 by 80 feet, with a height of ceiling of 20 feet, unobstructed by pillars, leaving considerable space for the practice of indoor athletics. It is supplied with light and heavy apparatus for general gymnastic and athletic exercise, together with such appliances as are necessary for the development of a symmetrical body. The director's office is on the main floor, and contains appliances for making physical examinations. The entire building is lighted by electricity.

The Dormitory, erected in 1890, is designed to accommodate a limited number of young men, at a moderate charge for rent. The rooms are, for the most part, in suites, consisting of a study and two well-lighted bedrooms with wardrobes.

Willard Hall is a large edifice of pleasing architecture. It accommodates 135 students, contains a chapel and other public rooms, but is chiefly devoted to private apartments for young women. Many of the rooms are in suites. They are of good size, well lighted and ventilated, and are cheerful and attractive. The building is provided with fire escapes, and is heated by hot water.

Pearsons and Chapin Halls are convenient and well-furnished homes, constructed of pressed brick and stone. Each affords accommodations for about fifty young women.

Memorial Hall, a handsome structure of pressed brick, was erected for the Garrett Biblical Institute, and dedicated in May, 1887. The most attractive part of the interior, is the chapel, which has seating

capacity for about five hundred. The windows are adorned with elaborate designs in rich cathedral glass. The designs are in harmony with the idea of the "Memorial Hall," being in memory of deceased professors of the Institute, and of others well known for interest in theological studies.

Heck Hall, the dormitory of the theological students, was dedicated in July, 1867. It is a brick building, and is five stories in height. It is heated by steam and lighted by electricity.

THE LIBRARIES.

The Library of the College of Liberal Arts is in a commodious library building, described on page 149. During the college year the library hours are from 8 to 12 A.M., from 1 to 6 P.M., and from 7 to 9 P.M. All officers and students of the University may draw books for home use. Persons not connected with the University, who desire to use the library for purposes of study, and who are responsibly introduced, may be allowed library privileges. The library contains 48,675 bound volumes, and about 32,500 unbound pamphlets.

It is classified in two sections, the General Library and the Greenleaf Library. The General Library, numbering 37,429 volumes, is designed to supply books appropriate to the several departments of study in the University, and also to furnish students with works of general reading and reference. The reading-room is provided with a large selection of periodicals, complete sets of many of which are placed on the shelves for reference.

The Greenleaf Library, the gift of the late Luther L. Greenleaf, Esq., contains 11,246 volumes, also a large and valuable collection of unbound dissertations and monographs, chiefly publications of foreign universities and learned societies. It is unusually complete in the Greek and Latin classics, every author being represented by the best editions from the earliest to a recent date. It contains also a choice selection of standard works in German and other modern languages. In the subjects of history, philosophy, theology, and the fine arts, there are many works of unique value.

The Schneider collection, lately added to the German section of the library through the generosity of friends of the University, numbers 2,500 volumes. It includes many first editions of standard authors. Among its rarities are original prints from the period of the Reformation, and a large collection of annuals (*Musenalmanache* and *Taschenbücher*) of the eighteenth and nineteenth centuries.

The Orrington Lunt Library Fund, the gift of the gentleman whose name it bears, is set apart as an endowment for the purchase of books. The fund promises, as it becomes productive, to give the library large and permanent growth.

On payment of the regular term bills, every student is entitled to the privileges of the library.

Students of the University have the use of the library of the Garrett Biblical Institute, numbering 13,650 bound volumes. They have access also to the Evanston Public Library and to the great libraries of Chicago—the Chicago Public Library, the Newberry Library, the John Crerar Library, and the Library of the Chicago Historical Society.

THE ASTRONOMICAL OBSERVATORY.

The Observatory is provided with a substantial building (see page 148), the gift of James B. Hobbs, Esq., of Chicago. It is known as the Dearborn Observatory, a name given it before it was removed from Chicago to Evanston. Its objects are to make original researches in astronomical science, to assist in the application of astronomy to geography, to communicate exact time, and to furnish instruction in astronomy to the students of the University, both those in the regular course and those who give special attention to the study.

The Observatory is open to visitors on Thursday evening of each week. Visitors may also be admitted at other times by making special arrangements with the President of the University or the Director of the Observatory.

The principal instruments of the Observatory are :

1. The great equatorial refracting telescope, made by Alvan Clark & Sons, of Cambridge, Massachusetts, in 1861. The telescope is fitted with driving clock, micrometer, and other appliances necessary for first-class work. The dimensions of the Equatorial are:

Diameter of declination circle, 30 inches; reading by vernier to five minutes, and by two microscopes to ten seconds of arc.

Diameter of hour circle, 22 inches; reading by vernier to single minutes, and by microscopes to single seconds of time.

Focal length of telescope, 23 feet.

Aperture of object glass, 18½ inches.

2. A meridian circle of the first class, constructed in 1867, by Messrs. A. Repsold & Sons, of Hamburg. This instrument has an

object glass of six French inches aperture, and a divided circle of forty inches diameter, reading by four microscopes. In plan of construction it is like Bessel's celebrated Königsberg circle by the same makers, but has some recent improvements in the mode of illuminating the field of view, together with apparatus for registering declinations. Hough's printing and recording chronographs are used for recording meridian observations and other phenomena.

The Observatory has a chronometer (William Bond & Son, No. 279), three mercurial pendulum clocks, and an astronomical library containing about thirteen hundred volumes and pamphlets.

THE MUSEUMS.

The Museums of the College of Liberal Arts contain collections illustrative of anthropology, art, botany, geology, mineralogy, and zoölogy.

The collections relating to anthropology, botany, geology, and zoölogy are at present contained in University Hall. The art collection is in the Orrington Lunt Library. The mineralogical collection is in the Fayerweather Hall of Science.

The following descriptions indicate the character of the collections:

MUSEUM OF ANTHROPOLOGY.

This comprises mainly collections in aboriginal archæology. Primitive ceramic art in this country is well represented by several hundred specimens from the mounds of Illinois, Wisconsin, Kentucky, and Missouri.

Primitive work in stone and copper is represented by large collections from various parts of the United States and from England The Museum contains more than 7,000 specimens neatly arranged in cases in a department by themselves. During the year 1900, an important collection of material from the cliff-dwellings and the pueblas of New Mexico was added to the Museum.

MUSEUM OF ART.

A large room in the Orrington Lunt Building has been handsomely fitted up by the University Guild for an art collection which the Guild has collected for the University. The Guild is an organization of two hundred women, who seek to secure for the University valuable works of art. The collection already secured is valued at several thousand dollars.

The Art Museum is open to the public on Wednesday afternoons.

MUSEUM OF BOTANY.

The college herbarium is made up of gifts received from friends of the college and of collections made by students and instructors. It now contains about five thousand species. It includes collections made by Kennicott from the Red River of the North; by Vasey from the Rocky Mountains; by Thomas and Bentley from Southern Illinois; by Mrs. Kidder from Brazil; collections from New England, and New York, the Lake Superior region, and Cook County, Illinois.

The Henry H. Babcock herbarium, donated in 1887, by Mrs. Mary Keyes Babcock, of Kenilworth, is systematically arranged, handsomely provided with substantial cases, and contains ten thousand species from all quarters of the globe.

MUSEUM OF GEOLOGY.

This museum contains typical rocks from this country and from Europe. They exhibit the variations in structure and texture of the large groups of sedimentary, crystalline (metamorphic), and igneous rocks. They also show the rock formations in the geological column from the more ancient to the recent rocks.

The series of fossils, both of plants and of animals, are quite extensive, containing characteristic fossils of the different geologic periods. The collections which are especially valuable are: 1, Cretaceous and Tertiary fossils, the gift of the Smithsonian Institution; 2, Fossils and rocks from Illinois Geological Survey; 3, Niagara fossils from Chicago and Racine, some of which are type specimens; 4, Illinois Carboniferous flora, largely from Grundy County; 5, Miscellaneous, containing valuable specimens from many parts of the world. In addition, the museum contains casts, models, charts, photographs, lantern slides, and maps. Taken as a whole, this museum illustrates the natural history of the crust of the earth.

The museums of geology and mineralogy contain 21,000 specimens.

MUSEUM OF MINERALOGY AND LITHOLOGY.

The Mineralogical Museum contains specimens of most of the mineral species in such numbers as to well illustrate their characteristics and occurrence.

Besides those specimens which have been accumulating to the museum for several years, are to be mentioned the Ayers loan-collection; additions from the Columbian Exposition, consisting chiefly of mass specimens and illustrations of economic ores; the Tyler collection, containing many crystals, notably good calcites; and a fine collection of azurites and malachites. Owing to want of space and cases, the museum is partly in University Hall and partly in Science Hall.

In the Lithological section are several hundred rock specimens from different parts of this country and from Europe.

MUSEUM OF ZOÖLOGY.

This museum contains (1) all (with few exceptions) the mammals, birds, reptiles, and batrachians indigenous to Illinois; (2) all the mammals and birds of the New South Wales exhibit at the Columbian Exposition. The kangaroos and lemurs, the platypus and the echidna, the emu and the cassowary, the rifle-bird, the regent and the lyre-bird, and the apteryx from New Zealand, in all 450 specimens, make a very complete presentation of that strange fauna; (3) a series of birds and a series of corals from the Philippine Islands (it is thought that the species of cuckoos and parrots are complete for the locality); (4) a series of skeletons, mostly prepared by Ward, including the elephant, the whale, the American crocodile, and skeletons of birds and fishes; (5) miscellaneous (among the larger animals are the moose, the buffalo, the Virginia deer, the white bear, and the reindeer). There are birds from India, Central America, Brazil, British Guiana, Norway, and Russia. There is a collection of fifteen thousand marine and fresh-water shells. There is a large collection of fishes donated by the Smithsonian Institution; also fishes from Lake Michigan, prepared by Dr. Phillips. There are crustaceans, echinoderms, sponges, and a multitude of low forms of marine life, many of them collected by Prof. Wm. N. Rice of Middletown, Connecticut. This museum contains 30,000 specimens.

CHICAGO ACADEMY OF SCIENCES.

The extensive collections of the Chicago Academy of Sciences are accessible to all students of the University.

THE LABORATORIES.

In the several laboratories of the College of Liberal Arts opportunities are provided for practical instruction in botany, chemistry, geology, mineralogy, physics, psychology, and zoölogy.

BOTANICAL LABORATORY.

Provision is made for conducting the work of the botanical courses in four rooms on the third floor of University Hall. Tables, compound and dissecting microscopes, glassware, reagents and lockers are provided for each student. Microtomes, incubators, and sterilizing apparatus are provided for the advanced courses. For the work in vegetable physiology material is obtained from neighboring greenhouses.

CHEMICAL LABORATORIES.

The accommodations of the Chemical Department in Science Hall include, on the main floor, a lecture-room, seating sixty; a reading-room; a laboratory for general chemistry and qualitative analysis, with forty-six tables; a laboratory for quantitative analysis, with twelve tables; a balance-room, the professor's office and private laboratory, and an assistant's room; in the basement, a general store-room, and a room with four tables equipped with special conveniences for water analysis.

GEOLOGICAL LABORATORY.

The Geological Laboratory is in University Hall and contains: (1) working tables for students, (2) study collections of typical rocks, minerals and fossils, (3) photographs and geological maps, (4) a geological library, (5) topographical models, (6) a large number of topographic maps, (7) petrographical microscopes, (8) thin sections of rocks and minerals. In addition to the above is a collection, belonging to the Wisconsin Geological and Natural History Survey, of over 1,100 specimens from the copper-bearing rocks of the Lake Superior district, and the private rock collection and geological library of the Professor of Geology, all of which are open to students. The Geological Museum is on the floor above, and its specimens are also available for study and comparison.

MINERALOGICAL LABORATORY.

In the basement of Science Hall is situated the Mineralogical Laboratory, which contains models, glass and wooden, and goniometers for the study of crystallography; a large collection of minerals, an economic collection, blowpipe materials, rock-cutting machines, and petrographical microscopes, for students' use in mineralogy and petrology.

PHYSICAL LABORATORY.

The Department of Physics occupies fourteen rooms in Science Hall, excellently adapted to their purposes. It is fairly well equipped with modern instruments, especially in the departments of acoustics, electricity, and light.

Among rooms for special purposes may be mentioned a workshop in the basement, a room for work in spectroscopy, fitted with a curved grating, a room for dyeing and developing photographic plates, rooms for electric and magnetic work, a room for general optics, a photometric-room, and several small rooms for individual work. In the court of Science Hall is a power-house with an outfit of two engines, three dynamos and a large storage battery. These furnish power to the Observatory and Physical Laboratory. This

building is also equipped with a machine shop, a drawing room, and a wood-working shop to furnish shop practice for students who are preparing to be engineers. The machine shop is provided with lathes, drill press, sharper, etc.

PSYCHOLOGICAL LABORATORY.

The laboratory for experimental psychology, founded in 1900, has quarters in Old College, consisting of a general laboratory and apparatus room, dark room, research rooms, and an office and reading room. The reading room is supplied with the most useful books and periodicals on experimental psychology. The equipment includes everything necessary for purposes of demonstration in the course in general psychology (A), also for an elementary laboratory course, and for a few typical researches. Additions are made from time to time, as the work demands. Among the pieces already purchased are the following: kymograph, sphygmograph, pneumograph, cardiograph, dynamometer and dynamograph combined, tambours, Harvard trip balance, triple beam balance, Harvard ergograph, pseudoptics, kinetoscope, reaction timer, stop watch, metronome, rotator, apparatus for judging distance, material for studying illusions, olfactometer, chemical thermometer, material for studying sensations of color and sound, algometer, æsthesiometer, touch-weights, models of brain, eye and ear, dissecting and other tools.

ZOÖLOGICAL LABORATORY.

The work-rooms of the Department of Zoölogy comprise a large general laboratory, a laboratory for vertebrate zoölogy, a seminary room, which is also used as a department library, and a preparator's room. The equipment consists of thirty-six excellent compound microscopes, several microtomes of the most recent make, dissecting microscopes and instruments, incubators, aquaria, glassware, reagents, and other apparatus necessary for elementary and advanced work in Zoölogy. The department is also supplied with a full set of Leuckart's Zoölogical charts and several sets of Ziegler's wax models. The library facilities for work in Zoölogy have been increased by the addition of several important biological periodicals and by the purchase of a large number of books and monographs.

THE GYMNASIUM.

The gymnasium is under the immediate supervision of a competent director, who gives his entire time to the class and individual instruction of students of both sexes. It is open every week day from 10 A.M. till 6 P.M., with the exception of Saturdays, when it closes at 3 P.M. Each student, upon

entering the gymnasium, may, if he so desires, be measured and thoroughly examined physically; his health, strength, muscular development, physical defects, etc., will be carefully noted. From these data a special course of exercises, based on scientific principles, will be prescribed to meet his individual needs.

It is the purpose of the director of this department to offer to each student such advice and prescribe such exercises as will give increased health, strength, and symmetry of body.

THE FEES AND EXPENSES.

Matriculation Fee. Every student, before entering the College of Liberal Arts, is required to pay a matriculation fee of five dollars. This fee is paid but once.

Semester Fees. An undergraduate student is required to pay a fee of thirty-five dollars at the beginning of each semester, of which amount twelve dollars is for incidentals and the remainder for tuition. The sons and daughters of ministers as well as students who are preparing for the Christian ministry, and are properly recommended, pay eighteen dollars a semester.

Students pursuing a single study pay a fee of eighteen dollars a semester, except those who are preparing for the ministry, or who are the children of ministers; in the case of these the fee is twelve dollars a semester.

A graduate student in residence is required to pay fifteen dollars a semester. If not in residence, he pays a fee of ten dollars at the time of registration, and on the presentation of his thesis, preparatory to his final examination, an additional fee of twenty dollars.

Laboratory Expenses. Students who pursue laboratory courses are required to pay for the materials and apparatus actually consumed. To this end, the students are required to make a deposit at the beginning of each semester for materials and for the use and breakage of apparatus. Unexpended balances are returned. The deposits vary for the different courses. In the Chemical laboratory, for Course A the de-

posit is $7.50 a semester, while for Courses B, C, or D, it is $9.00 a semester. In the Zoölogical laboratory, the deposit required is $5.00 a semester. In the Mineralogical laboratory, a fee of $3.00 will be charged for Course A in the second semester, Course E (assaying) $5.00 a semester. These deposits are required alike of graduate and undergraduate students.

Diploma Fee. The diploma fee is $10.00 for all degrees granted by the College of Liberal Arts.

Board and Lodging. Students living in Willard Hall pay according to the desirability of the room, from $99.00 to $108.00 each semester. Students in Pearsons and Chapin Halls pay for room and board $50.00 each semester, payment to be made in quarterly installments at the beginning and at the middle of each semester. A deposit of five dollars is required when a room is reserved. The prices given for Willard, Pearsons, and Chapin Halls include a furnished room, light, fuel, and the washing of twelve plain pieces. The occupants of the rooms furnish their own bedclothing, pillows, and towels. Room and board bills are payable strictly in advance. No deduction is made for absence in any part of the term, except in cases of protracted illness. The University does not undertake to provide dormitories for the young men, but they may obtain board and lodging in private families at reasonable rates. Clubs are also formed in which the cost of board is reduced to a minimum.

The following table exhibits the scale of annual expenditure:

	Low.	Average.	Liberal.
Tuition and incidental fees	$ 70	$ 70	$ 70
Board (36 weeks)	90	135	162
Room	32	72	100
Washing	18	25	35
Text-books and stationery	10	18	35
	$220	$320	$402

Payment of Bills.—The payment of fees is made at the University Business Office, 518 Davis street, Evanston. Students who are unable to pay in advance must call at the business

office and state their cases. The President and Treasurer will, as a committee, consider and decide on the applications.

No tuition or incidental fees will be refunded except in case of sickness. In this event, if the student will procure from the President an excuse from attendance, and also from a physician a certificate of inability to remain in attendance, half of the amount paid will be refunded, if application is made before the middle of the semester.

LOAN FUNDS.

The University receives annually a considerable sum of money to be loaned without interest to necessitous and deserving students who are preparing for the ministry, or for other forms of Christian work. Loans from this fund are available to students without distinction of sex.

A Woman's Loan Fund, contributed by interested friends and guarded with prudent restrictions, frequently enables the Woman's Educational Aid Association to be of special service to students in advanced classes, who, without timely aid, would be obliged to leave college before finishing a chosen course of study. The valuable assistance already rendered by the fund should commend it to friends of the University who may be able to increase it by donation or bequest. For further information on the subject, address Mrs. Joseph L. Morse, Chairman of the Loan Fund Committee, No. 615 Church street, Evanston.

SELF-SUPPORT OF STUDENTS.

Numerous inquiries are addressed to the authorities of the University by persons, desirous of carrying on collegiate studies, who are without adequate funds to enable them to defray their expenses, asking whether the institution furnishes to students means of employment which will enable them to support themselves wholly or in part while engaged in the prosecution of their studies. It is proper to say that the University does not undertake to furnish employment to any student, and it does not encourage students to matriculate

who are entirely without resources. It happens each year that not a few students are able to aid themselves very materially by their labor while carrying on their studies, but the student is obliged to rely on his ability, industry, and economy in all such cases. The Young Men's Christian Association conducts an employment bureau which is of great assistance in securing work for those desiring it.

For further information in regard to the College of Liberal Arts, address the Dean of the College, Evanston, Ill.

THE MEDICAL SCHOOL.

2421–2437 Dearborn Street, Chicago.

FACULTY.

Edmund Janes James, Ph.D., *President.*

Nathan Smith Davis, A.M., M.D., LL.D., *Emeritus, Dean and Professor of Principles and Practice of Medicine and of Clinical Medicine.*

Edward O. F. Roler, A.M., M.D., *Emeritus Professor of Obstetrics.*

John Hamilcar Hollister, A.M., M.D., *Emeritus Professor of Clinical Medicine.*

Ralph Nelson Isham, A.M., M.D., *Emeritus Professor of Surgery and Clinical Surgery.*

Marcus Patten Hatfield, A.M., M.D., *Emeritus Professor of Pediatrics.*

Edmund Andrews, A.M., M.D., LL.D., *Emeritus Professor of Clinical Surgery.*

Frank Seward Johnson, A.M., M.D., *Emeritus Professor of Medicine.*

John Harper Long, M.S., Sc.D., *Professor of Chemistry and Director of the Chemical Laboratories.*

Emilius Clark Dudley, A.M., M.D., *Professor fo Gynecology.*

John Edwin Owens, M.D., *Professor of Surgery and Clinical Surgery.*

William Evans Casselberry, M.D., *Professor of Laryngology and Rhinology.*

Nathan Smith Davis, Jr., A.M., M.D., *Professor of Principles and Practice of Medicine and of Clinical Medicine, and Dean of the Faculty.*

Edward Wyllys Andrews, A.M., M.D., *Professor of Clinical Surgery.*

Frank Taylor Andrews, A.M., M.D., *Professor of Clinical Gynecology.*

George Washington Webster, M.D., *Professor of Physical Diagnosis.*

Joseph Zeisler, M.D., *Professor of Skin and Venereal Diseases.*

WILLIAM EDWARD MORGAN, M.D., *Professor of Surgical Anatomy and Operative Surgery, and Lecturer on Clinical Surgery.*

HORACE MANN STARKEY, M.D., *Professor of Clinical Ophthalmology and Otology.*

HENRY GRADLE, M.D., *Professor of Ophthalmology and Otology.*

ARCHIBALD CHURCH, M.D., *Professor of Clinical Neurology and Mental Diseases and Medical Jurisprudence.*

JOHN RIDLON, A.M., M.D., *Professor of Orthopedic Surgery.*

WINFIELD SCOTT HALL, A.M., M.D., PH.D., *Professor of Physiology and Junior Dean of the Faculty.*

ARTHUR ROBIN EDWARDS, A.M., M.D., *Professor of Principles and Practice of Medicine and of Clinical Medicine and Secretary of the Faculty.*

WELLER VAN HOOK, A.B., M.D., *Professor of Surgery and Clinical Surgery.*

JOSEPH BOLIVAR DE LEE, M.D., *Professor of Obstetrics.*

ROBERT BRUCE PREBLE, A.B., M.D., *Professor of Medicine.*

FRANK XAVIER WALLS, M.D., *Professor of Clinical Pediatrics.*

JOHN B. MURPHY, A.M., M.D., *Professor of Surgery and of Clinical Surgery.*

ALBERT PHILIP OHLMACHER, M.D., *Professor of Pathology.*

FREDERIC ROBERT ZEIT, M.D., *Professor of Bacteriology, Clinical Pathology and Hygiene.*

SAMUEL CRAIG PLUMMER, JR., A.M., M.D., *Professor of Operative Surgery.*

THOMAS JAMES WATKINS, M.D., *Professor of Clinical Gynecology.*

HUGH TALBOT PATRICK, M.D., *Clinical Professor of Nervous Diseases.*

CHARLES BERT REED, M.D., *Assistant Professor of Obstetrics.*

CHARLES HILL, M.S., PH.D., *Assistant Professor of Histology and Embryology.*

WILLIAM EDWARD SCHROEDER, M.D., *Associate Professor of Surgery.*

LUCIUS CROCKER PARDEE, M.D., *Assistant Professor of Skin and Venereal Diseases.*

CHARLES HENDERSON MILLER, PH.G., M.D., *Assistant Professor of Pharmacology.*

PETER THOMAS BURNS, M.D., *Assistant Professor of Anatomy and Director of the Anatomical Laboratory.*

CHARLES LOUIS MIX, A.M., M.D., *Assistant Professor of Anatomy.*

INSTRUCTORS.

FREDERICK ATWOOD BESLEY, M.D., *Instructor in Surgery and Clinical Surgery.*

ANDREW JACKSON BRISLEN, M.D., *Instructor in Orthopedic Surgery.*

HENRY WILLIAM CHENEY, M.D., *Instructor in Operative Surgery.*
PAUL CHESTER, B.S., M.D., *Instructor in Physical Diagnosis.*
EDSON BRADY FOWLER, A.B., M.D., *Instructor in Clinical Medicine.*
ROBERT TRACY GILLMORE, M.D., *Instructor in Clinical Gynecology.*
GUY AUBREY GOWEN, M.D., *Instructor in Clinical Neurology.*
WINFIELD SCOTT HARPOLE, M.D., *Instructor in Clinical Medicine.*
WILLIAM ALFRED MANN, M.D., *Instructor in Clinical Ophthalmology and Otology.*
FREDERICK MENGE, M.D., *Instructor in Clinical Laryngology and Rhinology and Instructor in Histology.*
DAVID FALKNER MONASH, M.D., *Instructor in Obstetrics.*
PAUL FREDERICK MORF, M.D., *Instructor in Anatomy.*
ISAAC DONALDSON RAWLINGS, M.D., *Instructor in Contagious Diseases at the Isolation Hospital.*
HARRY MORTIMER RICHTER, M. D., *Instructor in Clinical Surgery.*
HENRY EDWARD SAUER, B.S., M.D., *Instructor in Clinical Gynecology.*

THOMAS GRANT ALLEN, A.M., M.D., *Instructor in Clinical Medicine.*
WALTER BENSON BATCHELLER, M.D., *Assistant Demonstrator of Anatomy.*
WALTER STEELE BARNES, M.D., *Instructor in Operative Surgery.*
JOSEPH FRANK BIEHN, M.D., *Instructor in Clinical Pathology and Bacteriology.*
FRANKLIN K. BURR, M.D., *Instructor in Clinical Laryngology and Rhinology.*
JOHN GAILEY CAMPBELL, A.B., M.D., *Instructor in Clinical Medicine.*
ACHILLES DAVIS, PH. B., M. D., *Assistant Demonstrator of Anatomy.*
GEORGE JAMES DENNIS, D.D.S., M.D., *Instructor in Pediatrics and Clinical Pedriatics.*
GEORGE BOYD DYCHE, A.B., M.D., *Instructor in Clinical Medicine.*
FREDERICK C. EGGERT, M.D., *Instructor in Clinical Medicine.*
CHARLES EDDISON ELLIOTT, B.S., M.D., *Instructor in Clinical Medicine.*
DAVID HENRY GALLOWAY, PH.G., M.D., *Instructor in Surgery.*
HAROLD KENNETH GIBSON, M.D., *Instructor in Clinical Medicine.*
FREDERICK R. GREEN, A.M., M.D., *Assistant Demonstrator of Anatomy.*
JULIUS GRINKER, M.D., *Instructor in Clinical Neurology.*
ALBERT GOTLIEB GUMM, M.S., M.D., *Assistant Demonstrator of Anatomy.*
D'ORSAY HECHT, B.S., M.D., *Instructor in Clinical Neurology.*
WILLIAM A. HILLEMEYER, M.D., *Assistant Demonstrator of Anatomy.*
ARTHUR DUDLEY JACKSON, M.D., *Instructor in Clinical Pedriatics.*
CHARLES MAYOR JACOBS, M.D., *Instructor in Clinical Orthopedic Surgery.*

HARRY KAHN, PHAR.M., M.D., *Instructor in Clinical Ophthalmology. and Otology.*

CHESTOR HENRY KEOGH, B.S., M.D., *Assistant Demonstrator of Anatomy.*

ELLIS KIRK KERR, A.M., M.D., *Assistant Demonstrator of Anatomy.*

EDWIN D. KILBOURNE, M.D., *Instructor in Clinical Pediatrics.*

CHARLES J. KURTZ, A.M , M.D., *Instructor in Physiology.*

CHARLES AUGUSTUS E. LESAGE, M.D., *Instructor in Clinical Ophthalmology and Otology.*

CHARLES M. MATTER, M.D., *Instructor in Clinical Surgery.*

THOMAS CHARLES MCGONAGLE, M.D., *Instructor in Clinical Pediatrics.*

ALBERT EARL MOWRY, M.D., *Instructor in Clinical Medicine.*

JAMES M. NEFF, M.D., *Instructor in Clinical Surgery.*

JOSEPH CHRISTOPHER OHLMACHER, M.D., *Instructor in Pathology.*

PAUL OCTAVIUS OWSLEY, PH.B., M.D., *Instructor in Clinical Gynecology.*

RUPERT MERRILL PARKER, B.S., M.D., *Instructor in Genito-Urinary Surgery.*

RICHARD STARR PATTILLO, M.D., *Instructor in Clinical Ophthalmology.*

VALDEMAR PLETH, M.D., *Assistant Demonstrator of Anatomy.*

DAVID SALINGER, M.D., *Instructor in Clinical Ophthalmology and Otology.*

G. C. SHOCKEY, M.D., *Instructor in Clinical Neurology.*

HERBERT MARION STOWE, M.D., *Demonstrator of Operative Obstetrics.*

FRANCIS GURNEY STUBBS, A.M., M.D., *Instructor in Clinical Laryngology and Rhinology.*

HIRAM PORTER HENDRICKS, *Clerk,*
2431 Dearborn St. (College Building).

STUDENT ASSISTANTS.

WALTER HERMAN BUHLIG, S.B., *Pathology.*

PETER CHRISTIAN CLEMENSEN, *Anatomical Laboratory.*

WALTER STANLEY GRISWOLD, B.A., *Histological Laboratory.*

ERNEST BRYANT HOAG, B.S., A.B., *Pathology.*

HARRY M. HOPE, *Physiology.*

HERMAN JOHN GEORGE KOOBS, *Physiology.*

HARRY DELPHOS ORR, B.S., *Chemistry.*

FRANK WESLEY PHELPS, B.S., *Chemistry.*

EARL B. ROGERS, B.S., *Physiology.*

CHARLES FRANCIS SAWYER, *Chemistry.*

FRANK WRIGHT, PH.C., *Chemistry.*

STUDENTS RECEIVING SCHOLARSHIPS.

1899–1900.

Cornelius O. Anderson, A.B.
Walter Herman Buhlig, S.B.
Allen Fitch Higgins, B.S.
Clayton J. Hinman, B.S.

1900–1901.

Almon T. Godfrey, A.B.
Elmer Andrew Miner, Ph.B.
Harry Delphos Orr, B.S.
Henry Bascom Thomas, S.B.

1901–1902.

Robert Bruce Blue, A.B.
Henry Benjamin Carey, B.S.
Thomas Oscar Edgar, B.S.
Charles Ernest Harris, B.S.
Lawrence E. Heiges, B.S.
Warren Melvin Karshner, B.S.
Francis Frederick Malone, B.S.
Carroll Lee Smith, B.S.
Clifford Robert Spain.
Willis Gutner Tobey, A.B.

TEACHING FELLOWSHIP.

Joseph Christopher Ohlmacher, M.D., *Pathology.*

YOUNG MEN'S CHRISTIAN ASSOCIATION.

Charles Edward Boys, B.S., *Secretary and Director of Gymnasium.*

This Medical School is entitled to the credit of having been the pioneer in the advancement of medical education in this country. It was the first school to take these three most important steps: viz., the enforcement of a standard of preliminary education; adoption of longer annual courses of medical college instruction; the graded curriculum, by which a definite number of branches are assigned to each year in such natural order that the mastery of one group makes the mastery of the next easier, and accomplishment of the whole more comprehensive and complete.

In the year 1859 the trustees of the Lind University of Chicago organized a medical school as a department of that University. Financial misfortunes befell Lind University, and it was deemed wise that the medical school should effect an entirely independent organization. Accordingly, in 1864, it was organized anew, under the name of the Chicago Medical College. It thus existed until 1869, when it was united with Northwestern University, retaining, however, its old name of Chicago Medical College until 1891, when that name was changed to Northwestern University Medical School.

In 1890 William Deering gave $20,000 towards the purchase of the land on which the schools of Medicine and Pharmacy are located.

In 1894 the same generous benefactor of the University endowed the N. S. Davis Professorship of Physiology. In 1893 Dr. Ephraim Ingals gave the Medical School $10,000 to aid in the construction of the Laboratory Building. The present equipment of the Medical School consists of the Laboratory Building; of Davis Hall, which is the administration building and the home of the South Side Dispensary; and of Wesley Hospital. To these facilities must be added the privilege of clinical teaching in several of the neighboring hospitals. The beautiful new surgical amphitheater just completed at Mercy Hospital enlarges and extends the facilities for clinical teaching in that institution.

BUILDINGS.

THE LABORATORY BUILDING is situated in Dearborn street, between Twenty-fourth and Twenty-fifth streets; has a frontage of 110 feet, and a depth of 105 feet; is five stories above the basement, and is constructed of cut stone and brick, with terra-cotta trimmings, and internal finishing of the best materials and workmanship.

On the *first* floor are the Amphitheater, Anatomical Museum, and Laboratory of Physiology and Biology. On the *second* floor are the Museums of Botany and Pharmacognosy, the Pharmaceutical and Dispensing Laboratories. On the *third* floor are large laboratories of Normal and Pathological Histology and Bacteriology, with three smaller rooms for original research. These rooms are equipped with desks, lockers for microscopes, and all necessary apparatus. A large lecture-room, room for chemical and physical apparatus, and the private laboratory of the Professor of Chemistry are on the same floor. On the *fourth* floor, one-half of the entire space is occupied by a chemical laboratory for students' practical work, and the other half by the Laboratory of Physiological Chemistry, with smaller rooms for advanced or original work. On the *fifth* floor is a large dissecting-room, a room for demonstrating surgical operations, and three smaller rooms for special dissections.

The Museum of the College is furnished with preparations and specimens illustrative of normal, pathological, and comparative anatomy, and materia medica.

One half of this building, now occupied by the School of Pharmacy will be put at the disposal of the Medical School on the removal of the School of Pharmacy to their new and enlarged quarters in the Tremont Building. This change will permit the expansion of several departments which have already outgrown quarters

considered ample for all future time when the building was planned a decade ago. Into this new space the departments of Pathology, of Bacteriology and Hygiene, of Pharmacology, and of Histology will expand and more extended facilities for research will be offered.

DAVIS HALL stands beside the Laboratory Building. It was erected in the summer of 1893.

On its first floor are offices and faculty rooms, a large amphitheater, an apothecary's room, an examination room for the director of the dispensary, and suites of rooms for the dispensary departments of Medicine, Surgery, Orthopedics, and Dermatology.

On the second floor there are a smaller amphitheater, and suites of rooms especially arranged and equipped for the departments of Laryngology, Otology, Ophthalmology, Gynecology, Neurology, and Pediatrics.

On the third floor are the laboratories of Clinical Pathology, and of Pharmacology, the private laboratory of Professor Zeit, and a recitation-room.

On the fourth floor are the library and reading-room and the suite assigned to the Young Men's Christian Association, comprising an assembly-room, and a gymnasium with shower-bath and dressing-room.

WESLEY HOSPITAL.

WESLEY HOSPITAL, which has just been completed and furnished, occupies the grounds immediately south of the college buildings, and covers a space of 106 by 225 feet. The building is six stories in height above basement.

The basement, which is below the street level, contains the heating, piping, storage rooms, etc.

The first floor, at the street level, contains the administration department, the office and receiving room, the laundry, kitchen, and dining-room. Here also are the sterilizing room, laboratory and drug rooms, all completely filled with the best apparatus. A small accident ward is located conveniently near the receiving room. A morgue and inquest room complete this floor.

On the second floor there are 20 private rooms and one suite of three rooms, and a ward containing 25 beds. A sun-bath, patients' dining-room, and a waiting-room complete this floor.

The third floor duplicates the second, and contains also a large amphitheater with the usual anterooms.

On the fourth floor we find the rooms for internes and nurses, a lecture room for the nurses, 12 private rooms and a ward of 25 beds.

The fifth and sixth floors are like the first, with the exception of two operating rooms.

ALUMNI LIBRARY.

The Alumni Library of nearly three thousand bound volumes, besides several thousand unbound journals and pamphlets, has been acquired by purchase, by donation from the late Dr. F. P. Peck, from the mother of the late Dr. G. W. Jones, and from students and members of the faculty. It is on the fourth floor of Davis Hall. The library is open from 9 to 5 daily, and is under the immediate care of Miss May T. Hillan, Librarian. The net profits on the sale of all college text-books at the library are devoted to its increase and care. The library is greatly appreciated by students, and is used by an increasing number each year.

The alumni committee in charge of the library includes Professors Webster, Hall, and Edwards, with one member of the class graduated the preceding year. An advisory committee of one student from each class assists the alumni committee in the administration of the library. This method of administration makes the library a co-operative institution, controlled by students and alumni, and not by the University.

Each department is well represented in the library. There is a large number of reference books and dictionaries.

All of the larger systems of Medicine and Surgery are at the command of the student; and all of the more important recent works in all departments are added to the library as soon as they appear.

THE GYMNASIUM.

Within the last year a room on the fourth floor of Davis Hall has been set apart for the Gymnasium, and equipped for most of the lighter floor work and for hand-ball. The hand-ball court is especially popular, and is in almost constant use. The brisk gymnasium exercise, followed by a shower-bath, has had a marked effect upon the health and good spirits of the student community. Besides hand ball and regular classes in various exercises there have been organized classes in fencing.

REQUIREMENTS FOR ADMISSION.

Applicants for admission must present diplomas or certificates from colleges, schools of science, accredited academies

or high schools, or sustain an examination in the subjects which are required for admission to the College of Liberal Arts of this University. Those desiring full information in regard to these examinations are requested to correspond with the Secretary of the Medical Faculty.

Examinations for admission will be held at the College of Liberal Arts in Evanston, June 10 and 11, 1902, and September 23, 24; October 6, at the College of Medicine. By special arrangement examinations may also be held at St. Paul, Minnesota; Denver, Colorado; Omaha, Nebraska; St. Louis, Missouri; Cincinnati, Ohio; Detroit, Michigan; Portland, Oregon; and San Francisco, California. But in all such cases application must be made to the Secretary prior to June 1st.

Students conditioned in entrance requirements must make up these conditions before the beginning of the second year. If they do not, they cannot be admitted as regular students to the second-year course.

Exceptions. Special students not candidates for the degree of doctor of medicine will be admitted without the presentation of diplomas and without the examinations mentioned above.

PREPARATORY MEDICAL COURSE.

Many colleges and universities offer either definitely arranged courses preparatory to medicine, or a wide range of elective studies in Chemistry, Physics, and the Biological Sciences.

Students who take this course are strongly advised to pursue the following branches:

Physics, - -	150 hours	Chemistry, - -	200 hours
General Biology,	100 hours	Botany, - -	100 hours
Zoölogy, - -	100 hours	German, - - -	150 hours

At least one-half of the time in each of these branches, except in German, should be devoted to laboratory work. If they can do so they should also take histology, embryology, advanced physiology, and human osteology. For this work, if it is taken in accredited colleges, credit can be given on the work of the first year of medicine.

ADMISSION TO ADVANCED STANDING.

Students who have pursued in another institution the following First Year Medical Course, or any part of it, will be admitted to advanced standing in the subject covered by their official credentials. The professors of the several departments represented will pass upon the evidence presented by the student, and have the power to require an examination if the certificates be not satisfactory :

Anatomy, Recitations (64 hours) and Laboratory work (320 hours), covering Osteology, Dissection of two parts of the human body, and gross and microscopical anatomy of the special sense organs.

Physiology, Recitation (96 hours) and Laboratory work (72 hours), covering General Physiology of cells and tissues, and the Special Physiology of the circulatory and respiratory systems, including Normal Hæmatology.

Chemistry, Lectures and Demonstrations (96 hours) and Laboratory work (192 hours), covering General Chemistry and Qualitative Analysis, with Organic Chemistry.

Histology and Embryology, Recitations (48 hours) and Laboratory work (192 hours), covering the microscopical anatomy of human tissues and organs, and the development of vertebrate embryos.

Pharmacology, Recitations and Laboratory work (64 hours), covering the recognition and study of crude and officinal preparations, prescription writing and compounding.

Students from other medical schools who apply for advanced standing must pass examinations in all of the branches which they do not take in this school, or furnish to the secretary certificates of having done satisfactory work in some other reputable college for one, two, or three years, according as they wish to enter the second, third, or fourth year class in this school.

Candidates for advanced standing must present their certificates to the respective professors at the time of the October examinations or earlier.

DEGREES.

The relation of Baccalaureate and Master's degrees to the degree of Doctor of Medicine:

Students who have obtained in the College of Liberal Arts of this University one hundred semester-hours of credit can elect the remainder of their course in this Medical School. This will enable such students to obtain both the A.B. or B.S. and M.D. degrees in seven instead of eight years.

Medical students who have a Bachelor's degree in Arts, Science, or Letters can obtain a Master's degree when they graduate in medicine by complying with the requirements stated on page 135, General Catalogue.

Students who take, in the College of Liberal Arts of this University, Chemistry A and B, Zoölogy A, C, D, and E, will be given credit in the Medical School for Chemistry a, b, and c; Physiology a, b, c; Histology and Embryology a, b, c, d, e.

Students in the College of Liberal Arts who in three years obtain one hundred semester-hours of credit and include therein the items of the preceding paragraph, together with all the required items of the undergraduate program, may then enter the Medical School and obtain the bachelor's degree and the medical degree in six years; or, if they enter the Medical School after receiving the bachelor's degree, they can complete both courses in seven years.

METHODS OF INSTRUCTION.

This was the first medical school in this country to grade its courses and it has steadily perfected the system of gradations so that the fundamental subjects are studied first, and the superstructural subjects follow, each subject preparing the way for what is to succeed it. The advantage of such a gradation of subjects can only be accomplished by a student attending college for at least eight months consecutively each year and by beginning with the fundamental subjects first, which are started in the fall semester of each year.

Instruction is given by *Recitations* for which the student prepares himself by the careful study of an assigned chapter from a text-book; by *Laboratory Exercises* in which the student performs for himself various experiments under the super-

vision of laboratory assistants; *Demonstrations* in which the professor performs for the whole class or for a section of the class some experiment not well fitted for laboratory exercise, lecturing during the progress of the demonstration; by *Illustrated Lectures*, supplementing the standard text-book; by *Colloquia* or *Conferences* in which students and professor informally discuss announced topics.

The greatest care has been taken to so arrange the course that the studies of the first year shall prepare the student for those which are to follow in the second year and that the first two years which comprise the laboratory courses shall make a broad and substantial foundation for the clinical courses and hospital practice of the last two years.

The studies of the whole course are grouped into departments, the work of each department being graded from the more general and fundamental to the more specialized and advanced. The work in each department is under the complete supervision of the head of the department and is thus unified, and as complete as the time allotted to it will permit.

The work in each department is planned with reference to the work done in all other departments and the greatest care is taken that the work of the different departments shall be so correlated that the student in taking up the work of a new subject shall find himself prepared for that work by the work done in other departments.

The classes are limited in size, which is a matter of very great advantage to a student, giving him the privilege of the personal instruction of the head of each department in all recitation, laboratory, and conference courses. The sections of the class are sufficiently small to give to each student an opportunity to perform for himself every step in the technique of all laboratory and clinical courses, having the advantage of the personal supervision of the head of the department or of an experienced demonstrator throughout these courses.

Clinical Instruction occupies most of the student's time during the last two years and a part of the time during the

first and second years. The clinical material is in the greatest abundance and is furnished by the South Side Dispensary, Wesley Hospital, Mercy Hospital, St. Luke's Hospital, Provident Hospital, Cook County Hospital, and the Chicago Lying-in-Dispensary. Some of the hospital and college clinics are attended by whole classes of one hundred or more, but by far the greater number of clinics are open to sections of the class, where twelve to sixteen students receive individual instruction and practice in all phases of physical examination, diagnosis, and treatment. A most important feature of the clinical instruction is found in the bedside hospital clinics where a small group of students accompany the professor through the ward, where they have an opportunity to study the details of symptoms, diagnosis, and treatment and to follow the cases throughout the progress of disease. The course of bedside clinical instruction is so arranged that each student has at least two periods per week. The hospital beds to which the students thus have access number in the aggregate over five hundred.

OPTIONAL COURSES.

A few optional courses are offered to small classes of students, to whom special laboratory and clinical instruction will be given. In some of these courses a fee will be charged each student for material used by him.

During the second semester of the second year the required work is lighter than at any other time during the course. This gives a good opportunity for the student to do research work in some of the various laboratories.

Many students who have taken a B.S. or B.A. degree before entering upon their medical studies improve this opportunity for doing the work required for the M.S. and M.A. degree which may be granted with the medical degree at the end of the course.

Some of the optional courses are clinical or operative and are naturally taken during the junior or senior year.

FIVE YEAR COURSE.

Students are advised to take the following courses in the College of Liberal Arts of this University preparatory to taking those of the second, third, and fourth years in the Medical School. In addition to these prescribed courses others to the amount of fifteen hours per week can be selected from the numerous electives which are offered by the College of Liberal Arts.

Chemistry A and Zoölogy A should be taken the first year. Physics A, Zoölogy C and D, and Chemistry B the second year.

CHEMISTRY.

A—*General Chemistry.* 4 hours.

Section I. Tuesdays, Wednesdays, Thursdays, 1:30–4.
Section II. Mondays, Fridays, 1:30–4.
Tuesdays, Thursdays, 1:30–2:30.

Professor YOUNG and Mr. GLOSS.

Lectures and laboratory work and introduction to Qualitative Analysis.

B—*Qualitative Analysis continued and Organic Chemistry.* 4 hours.

Mondays, Fridays, 1:30–4; Wednesdays, 1:30–4:30.

Professor YOUNG.

Lectures, text and laboratory work.
Course B open to those who have completed A.

PHYSICS.

A—*General Physics.* 4 hours.

Lectures on Mondays, Wednesdays, Fridays, 11.
See below for Laboratory hours.

Professor CREW.

FIRST SEMESTER.—General properties of Matter, Sound, Heat.

SECOND SEMESTER.—Electricity, Magnetism, Light.

Each week's work consists of two experimental lectures, one recitation, and one laboratory exercise. Ames's "Theory of Physics" is used as a text-book.

This course is intended for beginners. It requires no mathematics beyond that necessary for entrance. It is recommended as a first-year or second-year study to those contemplating the pursuit of any pure science, engineering, or medicine.

ZOÖLOGY.

A—*General Biology.* 4 hours.

Lectures, Tuesdays, Thursdays, 9.

Laboratory hours to be arranged between 9 and 12, Tuesdays, Wednesdays, Thursdays, Fridays.

Professor Locy and Mr. Howard.

A comparative study of living organisms as a whole, forming an introduction to the study of vital activities. In the laboratory the student acquires a knowledge of methods of study, and is taught to observe, to verify and record his observations. A general survey of the properties of living matter is followed by study of a few selected types of invertebrate animals, beginning with the simplest and proceeding to the more complex. Parker's "Elementary Biology" and Marshall & Hurst's "Practical Zoölogy" are used as handbooks, and these are supplemented by lectures. In the lectures the physiological side receives most attention.

During the second semester a large part of the time is devoted to study of the development of animals, using eggs of fishes, amphibia and the chick. This course is open to all students, and is required of those intending to take either Botany or Zoölogy as a major subject. A knowledge of elementary physics and chemistry is very desirable for all students entering this or any of the following courses.

C—*Cytology and Histology.* 3 hours.

Lectures or recitations, Wednesdays 2. Laboratory hours to be arranged.

Dr. Hill.

First Semester.—Cell Life and Elementary Histology. Anatomy and physiology of the cell, microscopical structure of the elementary animal tissues, and principles and practice of the general methods of microscopical technique. Wilson's

"The Cell in Development and Inheritance" forms the basis of the work on the cell.

Second Semester.—Microscopical Structure of the Animal Organs. Principles and practices of the important special methods of microscopical technique. Continuation of work of first semester. Böhm-Davidoff's "Text-book of Histology" and Piersol's "Normal Histology" will be used as reference books.

D—*Comparative Anatomy and Physiology of Vertebrates.*

4 hours.

Lectures, Wednesdays, Fridays, 9. Laboratory work to be arranged on Tuesdays, Wednesdays, Thursdays, Fridays, 9–12.

Professor Locy and Mr. Howard.

First Semester.—Comparative Anatomy. Study of selected vertebrate types. The recitations and lectures will be based on Wiedersheim's "Comparative Anatomy of Vertebrates."

Second Semester.—Vertebrate Embryology. Lectures and laboratory work.

[Note.—In alternate years, the work of the second semester will be on Physiology instead of Vertebrate Embryology.

E—*The Central Nervous System and its Terminal Organs.*

1 hour.

Lecture, Tuesdays, 4. One hour, or accompanied with three hours' laboratory work, two hours.

Professor Locy.

First Semester.—The Central Nervous System. Comparative Structure of the Central Nervous System, with discussions on some of its physiological activities.

Lectures and demonstrations, adapted to those taking, or about to take, Psychology, and to others who wish to become acquainted with the structure and general physiology of the nervous system.

Second Semester.—The Structure and Evolution of Sense Organs.

Given in 1902–1903 and in alternate years.

THE FOUR YEAR COURSE.

SYNOPSIS.

Required Courses.	*Optional Courses.*
FIRST YEAR.	
Chemistry, I, *a*, *b*, *c*.	
Anatomy, II, *a*, *b*, *c*, *d*, *e*, *f*.	
Histology and Embryology, III, *a*, *b*, *c*, *d*.	
Physiology, IV, *a*, *b*, *c*, *d*. *e*.	
Pharmacology, VI, *a*.	
Physical Diagnosis, IX, *a*.	
SECOND YEAR.	SECOND YEAR.
Chemistry, I, *d*, *e*, *f*.	Histology, III, *e*.
Anatomy, II, *g*, *h*.	Chemistry, I, *g*.
Physiology, IV, *f*, *g*, *h*, *i*, *j*, *k*.	Bacteriology, General Etiology and Hygiene VI, *e*, *f*.
Bacteriology, General Etiology and Hygiene VI, *a*, *b*, *c*, *d*.	
Pharmacology, VI, *b*, *c*, *d*.	
Pathology, VII, *a*, *b*.	
Physical Diagnosis, IX, *b*, *c*.	
Surgery, XVII, *a*.	
Medicine, XVIII, *a*, *b*.	
THIRD YEAR.	THIRD YEAR.
Pathology, VII, *c*, *d*.	Eye and Ear, XIII, *a*, *b*.
Obstetrics, X, *a*, *d*.	Pharmacology, VI, *e*.
Dermatology and Syphilology, XI, *a*, *b*, *c*.	Physiology, IV, *l*, *m*.
Laryngology and Rhinology, XII, *a*, *b*, *c*.	Histology, III, *e*.
Surgery, XVII, *b*, *c*, *d*, *e*, *f*, *g*, *h*.	Chemistry, I, *g*.
Orthopedic Surgery, XVII, *a*, *b*, *c*.	Orthopedic Surgery, XVII, *d*.
Medicine, XVIII, *c*, *d*, *e*, *f*, *g*.	
Pediatrics, XVI, *a*, *b*.	
Clinical Pathology, VIII, *a*, *b*.	

FOURTH YEAR.

Obstetrics, X, *b*, *c*, *d*.
Eye and Ear, XIII, *c*, *d*, *f*.
Gynecology, XIV, *a*, *b*, *c*, *e*.
Neurology, XV, *a*, *b*, *c*, *d*, *e*.
Mental Diseases and Medical Jurisprudence, XV, *a*, *b*, c.
Surgery, XVII, *i*, *j*, *k*, *l*, *m*, *n*, *o*.
Medicine, XVIII, *h*, *i*, *j*, *k*, *l*, *m*, *n*.
Pediatrics, XVI, *c*.
Pathology, VII, *d*.

FOURTH YEAR.

Gynecology, XIV, *d*, *f*.
Eye and Ear, XII, *a*, *e*.
Pharmacology, VI, *e*.
Physiology, IV, *l*, *m*.
Histology, III, *e*.

DEPARTMENTS.

The work in each department is arranged in chronological order, and in every case begins with the fundamental or general, and passes to the more advanced or special. The student is supposed to take the courses in the order enumerated, though some deviation from this rule may be allowed in certain cases approved by the faculty.

I. DEPARTMENT OF CHEMISTRY.

The Chemical Laboratories are commodious, well lighted, well ventilated, and thoroughly modern in arrangement and equipment. Besides a large laboratory for General Chemistry and Toxicology, there is a laboratory of Physiological Chemistry, with accommodations for seventy-two students; there are several smaller laboratories for demonstrations and for special work.

FIRST YEAR.

(a) General and Inorganic Chemistry. Lectures and demonstrations. 3 each week. One and one-third Semesters.
Professor LONG, assisted by Mr. WRIGHT.

(b) Organic Chemistry. Lectures and demonstrations. 3 each week. Two-thirds of a Semester.
Professor LONG.

(c) Chemistry Laboratory work. 3 periods each week, first year.
Professor LONG and assistants.
In the laboratory work of the first year the texts followed are Long's Elementary General Chemistry and Long's

Analytical Chemistry, and the student is supplied with all apparatus and materials necessary for properly performing over 200 experiments before undertaking the systematic work of Qualitative Analysis.

SECOND YEAR.

(d) Physiological Chemistry. Lectures and demonstrations. 1 each week.

Professor LONG.

In the first half of the second year the class meets once a week for a lecture or recitation in chemical physiology, the instruction given being largely in explanation of the principles involved in the laboratory work carried on at the same time. Attention is given also to a discussion of organic compounds of physiological importance not fully considered in the course of the first year. Through the second half of the first year the class is occupied mainly with a discussion of the principles of urine analysis. This course is parallel to the practical one in the laboratory.

(e) Physiological Chemistry. Laboratory, 2 periods each week.

Professor LONG, assisted by Mr. WRIGHT.

In the second-year laboratory work the students use Long's Notes on Elementary Chemical Physiology and Text-book of Urine Analysis as texts, and have supplied to them everything required in completing thoroughly all the exercises described in these books.

In order to demonstrate the construction and application of certain kinds of apparatus more perfectly than is possible in a large lecture-room, the second-year class is divided into small sections, which meet at proper times for work with the spectroscope, spectrometer, hæmometer, and polariscope. The demonstrations with the polariscope and spectrometer are carried out in the dark-room. The college is supplied with the most perfect apparatus made for use in this work.

(f) Electricity. Lectures and demonstrations. 1 each week. One-half Semester.

Professor LONG.

Special Courses and demonstrations. During the last part of the second year eight or ten lectures, with demonstrations, are given on the subject of practical electricity. This work is intended to make the student familiar with the construction and use of batteries, the

measurement of currents and resistances, and the important physical, chemical, and physiological effects of the current.

SECOND AND THIRD YEARS.

(g) Chemical Physiology (elective). 2 Laboratory periods each week. 1 Semester.
Professor LONG.
In addition to the above the student is offered facilities for advanced or original investigation in several lines of Chemical Physiology. Arrangements for such elective work are made by application to the executive committee and the professor in charge.

II. DEPARTMENT OF ANATOMY.

The equipment of the Department of Anatomy has been recently very much enlarged and comprises an embalming laboratory with complete appliances for injecting and preserving anatomical material, a large refrigerator room with a capacity of several hundred cadavers. The Anatomical Laboratory is a large, well ventilated, and well lighted room on the fifth floor of the Laboratory Building, provided with every help, in the way of skeletons, models, and charts, usually used in such a laboratory. There is a well furnished osteological laboratory and museum. Each student is provided with a complete skeleton.

The instruction in this department is similar in plan to that given in the anatomical department of the University of Edinburgh. The course in Anatomy is chiefly a laboratory course with the human subject and with models and charts always before the student. Valuable use is made also of some of the lower animals in the teaching of technique and for purposes of comparison.

The instruction begins with an introductory course of lectures and demonstrations in which the whole field of descriptive anatomy is covered in a most general way, dealing with fundamental facts only. The plan of structure of the body is outlined and the systems of organs are briefly described. The circulatory system, for example, including

heart and principal arterial and venous branches, is described and amply illustrated. The nervous system with the principal spinal nerves and plexuses is similarly treated.

This introductory course is accompanied by laboratory work on the dissection of the dog. Large animals are procured and they are properly embalmed and injected. The student learns upon this material the technique of dissection and in his study gives especial attention to the structure and relations of the viscera of the thorax and abdomen, to the sympathetic nervous system, to the circulatory system, and to the spinal nervous system. The object of the work upon the viscera and sympathetic nervous system is to prepare the student for the work of the Department of Physiology which later in the year deals with the circulatory, respiratory, and digestive systems. The object of the systemic dissection of circulatory system and spinal nerves is to give the student a clear idea of these structures as systems, so that he will be able later to carry in his mind the double relation of each structure: (1) Its part in a system (e. g., vascular, nervous, etc.), and (2), its topographical relation to other structures.

The student begins his course in human anatomy not with the study of bones, but with the study of the human body as a whole. The work in the Anatomical Laboratory begins with the study of the skin, mapping out the various areas, followed by a study of the subcutaneous fasciæ with their vessels and nerves. This is followed by a careful dissection and study of the muscles and the deeper vessels and nerves. The structures are studied not only in their relations one to the other but also in systems. This plan not only gives the student a clear idea of the topographical anatomy of especial value in surgery, but also of systemic anatomy which can be applied in all of his practice, perhaps more especially in medicine.

The student is expected to describe the structures in his own language rather than to memorize the description of the text-books. Each student is asked to make free-hand drawings, in colors, of what he finds in his dissections. This saves

time in reviews and serves to fix the mental picture of the dissection.

A complete skeleton is offered each student when he begins dissecting; he outlines every part dissected in relation with the bones, and keeps the bones with him through the period of dissecting. The regular laboratory course on Osteology, beginning with the bones belonging to the parts dissected, is taken up after the dissection is finished.

Besides reciting to the laboratory demonstrators upon the points dissected, each student attends two review quizzes each week, where every feature of the laboratory work is discussed in detail, where obscure points may be explained and illustrated, and where points of especial importance may be emphasized.

During his first year the student dissects the leg and the arm, during the second year the head and neck, and the viscera.

The course of the second year comprises, besides the dissection which occupies one semester, a course of thirty-two lectures on Applied Anatomy. This course reviews and emphasizes the points of topographical anatomy and surgical landmarks. Considerable time is given to Splanchnology, with which the student is already quite familiar through his dissections.

THE COURSE IN ANATOMY.

FIRST YEAR.

(a) Introductory course in General Anatomy. Lectures and demonstrations. 3 each week. One-eighth Semester. Professors BURNS and MIX.

Laboratory Work on the Dissection of the Dog, with especial reference to *technique* and to the study of the viscera, the vascular system and the spinal and sympathetic nerves. 4 3-hour periods each week. One-eighth Semester.

Dr. GREEN and assistants.

(b) Human Dissections. Each student dissects an arm and leg and demonstrates every point to the laboratory instructors. 4 3-hour periods each week. 1 Semester. Professor BURNS, and Dr. GREEN, and assistants.

(c) Recitations on Laboratory work. The class is divided into two sections (arm and leg), each section reciting upon the anatomy of the part dissected. 2 hours each week. 1 Semester.
Professor MIX.

(d) Human Osteology. Laboratory work accompanied by quizzes. 4 3-hour periods each week. One-fourth Semester. Recitations, 3 hours each week. One-fourth Semester.
Professor BURNS, and assistants.

(e) Neurology (A). Laboratory work, demonstrations and lectures on the Gross Anatomy of the Brain and Spinal Cord. 2 Periods each week. One-half Semester.
Professor MIX.

(f) Neurology (B). [See also III. (e).] Microscopical Anatomy of the Spinal Cord and Brain. Two and two and one-half hour laboratory periods each week. One-half Semester.
Professor HILL.

SECOND YEAR.

(g) Human Dissections. The Head and Neck, and the Viscera, with Laboratory recitations on the points dissected. 4 3-hour periods each week. 1 Semester.
Professor BURNS, and Dr. GREEN, and assistants.

(h) Applied Anatomy, with especial reference to Surgical Landmarks, Topographical Anatomy, and Splanchnology.
Professor MIX.

III. DEPARTMENT OF HISTOLOGY AND EMBRYOLOGY.

The Laboratory is commodious and well lighted. It is fitted up with tables, lockers, and apparatus to accommodate forty students. Each student has the use of a microscope and of all general apparatus necessary to prepare and manipulate histological material. The courses embrace instruction in preparation, section cutting, staining and mounting of normal specimens, and their subsequent study under the microscope. In Embryology, the chick is taken as a basis for Laboratory study, with collateral work upon both lower and higher forms. Free-hand drawing of all typical tissues mounted is required of each student.

FIRST YEAR.

(a) General and Special Histology and Embryology. Recitations. 1 each week.
Dr. MENGE.

(b) Histology, General and Special. Laboratory. A study of the Normal Histology of Tissues and Organs, but not including the Brain and Spinal Cord.
Two Periods each week of 3 hours. One and one-half Semesters.
Professor HILL.

(c) Embryology. Laboratory work, 2 periods per week of 3 hours each. One-third Semester.
Professor HILL.

(d) Microscopical Anatomy of the Spinal Cord and Brain. Two Laboratory periods each week. One-half Semester.
Professors HILL and MIX.

SECOND, THIRD, AND FOURTH YEARS.

(e) Special Problems in Histology and Embryology (elective).
Professor HILL.

IV. DEPARTMENT OF PHYSIOLOGY.

The equipment of this department comprises a general laboratory, 40 by 70 feet, two special laboratories, an instrument room, a library, shop, preparation room, and an animal house. The instrumentarium includes microscopes, kymographs, electrical apparatus, sphygmographs, cardiographs, stethoscopes, manometers, receiving and recording tambours, stethographs, hæmatocrits, hæmometers, hæmocytometers, and optical apparatus. Laboratory sections of the class are divided into groups of two to four students each, each group having a complete set of apparatus and performing the experiments together.

The instruction in this department is based upon the laboratory work and upon demonstrations. In the laboratory each student demonstrates for himself fundamental laws of physiology, and observes for himself the phenomena upon which these laws are based. The physiological demonstrations usually present experiments too difficult for the student to per-

form alone. The laboratory work with the demonstrations form an experimental basis for the science of physiology, which is presented systematically in the recitation course which accompanies the experimental courses. At no time during the course is the fact lost sight of that the student is preparing for the practice of medicine. Most of the laboratory experiments are chosen and arranged with the special view of giving the student facts and technique which he can apply later in his clinical work.

FIRST YEAR.

(a) General Physiology, Cellular Biology and the Physiology of Muscle and Nerve-tissue, and of the Muscular System. Lectures, demonstrations and laboratory work. The object of this course is primarily to familiarize the student with the technique of experimental physiology; secondarily, to familiarize him with the properties of living cells and with the reaction to stimuli of muscle and nerve-tissue. The simpler physical and chemical processes of the muscular system are studied and the subject of animal mechanics is briefly treated. Lectures and demonstrations, 3 each week, and laboratory work, 1 period each week. Three-fourths Semester.
Professor HALL and assistants.

(b) Special Physiology. The Physiology of Circulation and Respiration. The basis of this course is the laboratory work in which the student demonstrates and studies all the fundamental phenomena of the circulation and aeration of the blood. Laboratory work, 2 2-hour periods each week. Recitations and demonstrations, 3 periods each week. Three-fourths Semester.
Professor HALL and assistants.

(c) Hæmatology. The Physiology of the Blood. In this course the student is drilled in the technique of a complete clinical examination of the blood, while the demonstrations present experiments which show the properties and functions of the blood. Laboratory work, 2 periods each week. One-fourth Semester. Recitations and demonstrations, 3 each week.
Professor HALL and Dr. KURTZ.

(d) The Physiology of Reproduction. This course supplements course (d) in the Department of Histology and

Embryology. Especial attention is given to the development of the fœtal envelopes, to the fœtal circulation, and to the Physiology of the Embryo. Lectures and demonstrations, 3 each week. One-eighth Semester.
Professor HALL.

(e) Nutrition, Chemistry of the Animal Body, and Chemistry of Food and Food Stuffs. Recitations and demonstrations, 3 each week. One-eighth Semester.
Professor HALL.

SECOND YEAR.

(f) Nutrition. The Chemistry of Digestion. Demonstrations, 2 each week. One-fourth Semester. The experiments presented in this course supplement those which appear in the laboratory work and demonstrations of the Department of Chemistry, and deal with purely physiological phases of the subject.
Professor HALL.

(g) Nutrition. Metabolism, Animal Heat and Excretion. 2 each week. One-half Semester.
Professor HALL.

(h) Physiology of the Central Nervous System. Lectures, demonstrations and recitations, 2 each week. One-fourth Semester.
Professor MIX.

(i) Physiology of the Special Senses. Recitations, demonstrations and Laboratory, 4 each week. One-fourth Semester.

(j) Normal Ophthalmoscopy and Skiascopy. Laboratory work. Each student, 3 periods.
Dr. C. A. E. LESAGE.

(k) Pharmacology. The Physiological Action of Drugs. Laboratory work, 2 periods each week. One-half Semester.
Professor MILLER.

THIRD AND FOURTH YEARS.

(l) Medical Anthropometry (elective).
Professor HALL.

(m) Special Problems (elective).
Professor HALL.

V. DEPARTMENT OF PHARMACOLOGY.

This department has a complete laboratory equipment, furnishing every aid toward the acquirement of a systematic

knowledge of medicines, including: (1) natural and laboratory products; (2) their actual manufacture; (3) the demonstration of their physiological actions on the lower animals by modern scientific methods and apparatus; (4) thorough didactic instruction covering the physiological action in detail on the various systems of the human body of the more important remedies; and (5) carefully recognized therapeutic indications governing their employment in disease.

The laboratory cabinets contain all drugs and chemicals with the preparations of any recognized value.

Each student prepares and retains a carefully classified cabinet of sixty important drugs, manufactures specimens of the principal pharmacopeal preparations, has every opportunity to gain an intimate knowledge of all specimens, and studies in detail the effect of important medicines on the lower animals. Each student writes fifty prescriptions subject to rigid inspection and correction for as many hypothetical cases. The student is given an opportunity to gain experience in practical dispensing pharmacy in the drug-room of the South Side Dispensary.

The required work covers two years. In the third and fourth years elective research work on the physiological action of drugs is open to a limited number of students.

FIRST YEAR.

(a) Pharmacognosy and Pharmacy. (Operative.)
Laboratory work. 4 hours each week. 1 Semester.
Professor MILLER.

SECOND YEAR.

(b) Pharmacology. Experimental. Laboratory work. 2 hours each week. One-half Semester.
Professor MILLER.

(c) Pharmacology. Recitations. 2 each week. 1 Semester.
Professor MILLER.

(d) Pharmacy. Dispensing. 48-hour service in Pharmacy of South Side Dispensary.
Under supervision of Professor MILLER and Mr. THATCHER.

THIRD AND FOURTH YEARS.

(e) Research work on Physiological Action of Drugs. (Elective.)

VI. DEPARTMENT OF BACTERIOLOGY, GENERAL ETIOLOGY, AND HYGIENE.

The laboratories are equipped with all modern appliances for general class-work in Bacteriology and Hygiene, and for individual research.

Instruction in this department includes didactic lectures and practical laboratory work.

SECOND YEAR.

(a) Bacteriology. Lectures and demonstrations. 2 hours each week. 1 Semester. This course of lectures on General Bacteriology is supplemented by demonstrations of cultures, drawings, photomicrographs and pathological specimens. It is intended to serve as an introduction to the practical laboratory course and acquaint the student with the historical development of the science and art of Bacteriology, its fundamental purposes and principles, its methods and present status.
Professor ZEIT.

(b) Bacteriology. Laboratory work. The class is divided into sections, each section taking three periods each week of three hours each for one Semester. Students are required to prepare their own culture media, experiment upon the efficiency of sterilization methods and disinfectants and learn the methods of bacteriological technique by studying a limited number of nonpathogenic bacteria. During these exercises the student is taught the principles of stains and staining, of cover-glass smear preparations and tissue sections for bacteria, the use of the microscope, cultural characteristics and morphology of micro-organisms and their isolation from mixtures into pure cultures. The study of pathogenic bacteria follows with demonstration of methods of animal inoculations, the laws of pathogenesis and autopsies of infected animals. Pure cultures of pathogenic bacteria are grown by each student upon the various culture media and examined microscopically. The pathogenic bacteria are studied with a view to the practical application of bacteriological diagnosis in medical and surgical practice. A study of the different bacterial products and their effects concludes the course. Bacterial vaccines, toxins, and proteins are obtained

from the cultures and immunization-experiments made on animals.
Professor ZEIT and Dr. BIEHN.

ETIOLOGY AND HYGIENE.

(c) Etiology. Classification and discussion of the causes of disease. Infection, dissemination of infective diseases. Disposition and immunity. Prophylaxis and general therapeutics of infectious diseases. Protective inoculation, serum therapy. Disinfection and disinfectants. Precautions in management of special diseases.

(d) Hygiene. Air, soil, heat, climate. Heating, ventilation, lighting, water supply and sewage disposal of dwellings and cities. Dietetics and clothing. Exercise and baths. Industrial hygiene. Social hygiene, hygiene of schools. prisons, and hospitals. Military and camp hygiene. 2 lectures each week. 1 Semester.
Professor ZEIT.

(e) Laboratory work. The methods of practical hygiene. Examination of air, soil, water, foods, beverages and clothing. (Elective.)

(f) Advanced work in hygiene or bacteriology. (Elective.)
Professor ZEIT.

VII. DEPARTMENT OF PATHOLOGY.

During the past session the subject of Pathology has been presented by the laboratory method so far as the facilities would allow. In the Sophomore class the study of General Pathology was inaugurated in the laboratory by a series of exercises illustrating some of the ordinary phenomena like the circulatory disturbances, the degenerations, necrosis, inflammation. A careful study of typical microscopic sections and a series of drawings from these sections were required of each member of the class. Upon the occasion of each new laboratory exercise fresh or preserved gross specimens, showing the microscopic aspects of the particular condition under observation, were demonstrated to successive small groups of the laboratory class. A few written directions merely suggestive of the more important features for study were employed, and references to a standard authority (usually the text-book) were incorporated

in their appropriate places as assigned readings in elucidation of the problems rising out of the laboratory exercises; but excessive assistance, either written or oral, was discouraged. Throughout the session fresh autopsic material was brought into the laboratory and demonstrated by one of the teachers, then assigned to individual students for more deliberate examination. These gross specimens were presented, along with the available clinical histories, without any reference to their bearing upon the systematic study of general pathology. So far as possible, however, specimens from this fresh material like frozen sections, teased or crushed preparations, were employed in the laboratory class, thus making it frequently possible to show the relations of a general pathological condition, like fatty degeneration or cloudy swelling, to some special morbid process. Didactic instruction in this course was subordinated to the practical work of the laboratory, and was not begun until the latter had progressed sufficiently to demand it as a supplement. In meeting this requirement the class was divided into groups of convenient size, to participate in an informal recitation or conference upon assigned topics usually based on preceding laboratory study. In this manner the subject of General Pathology as outlined in the chosen text-book was systematically covered.

In the Junior Class the schedule for a lecture or recitation course in special pathology was modified by the introduction of laboratory exercises in practical morbid anatomy. The class was subdivided into small groups and brought into direct personal contact with fresh morbid material from autopsies, with preserved material from recent autopsies, and with gross museum specimens. Here the simpler methods of microscopic examination and of ordinary anatomical diagnosis were present. The technique of immediate post-mortem section was demonstrated in the public autopsies.

For the next college year it is planned to effect a complete reorganization in the teaching of pathology rendered possible by the acquisition of abundant additional floor space, desk and locker space, and a more adequate equipment. With

these improved facilities it will be possible to enlarge the scope of the student's individual laboratory practice and to enable him to secure a working knowledge of the fundamental laboratory methods in pathology. It is contemplated also to set apart a series of small rooms in which advanced students and special investigators may prosecute their studies with proper facilities and the necessary privacy.

THE COURSE IN PATHOLOGY.

SECOND YEAR.

(a) General Pathology. Laboratory work. 3 2-hour periods each week. 1 Semester.
Professor OHLMACHER and assistants.

(b) Recitations. 2 each week. One-half Semester.
Professor OHLMACHER and assistants.

THIRD YEAR.

(c) Special Pathology. Recitations and demonstrations; 2 each week. This course is supplemented by a study of microscopic specimens in the laboratory.
Professor OHLMACHER and assistants.

THIRD AND FOURTH YEARS.

(d) Post-mortem Examinations. With practical instruction in technique and diagnosis. The autopsies of Wesley Hospital, Mercy Hospital, St. Luke's Hospital, Provident Hospital, and Cook County Hospital are open to all students of the third and fourth years.
Professor OHLMACHER and assistants.

VIII. DEPARTMENT OF CLINICAL PATHOLOGY.

The Clinical Laboratory occupies two large well-lighted rooms in Davis Hall and is fitted with a complete armamentarium for modern laboratory diagnosis and research work. It is essentially the Clinician's laboratory, and the vast material from various hospitals, the college and dispensary clinics, is here examined and the findings reported to the department sending specimens or patients.

In the Clinical Laboratory the student is made to apply his resources and knowledge gained in the Physiological, Chemical, Pathological, and Bacteriological laboratories, and to apply the same to actual cases, such as the various college

and dispensary clinics may furnish. The Junior Class is divided into six sections of from twelve to fourteen students, and each section spends five weeks, four hours a day, in the practical application of those diagnostic methods of scientific medicine which will most likely be in daily use by the student after graduation.

The nature of the work in the Clinical Laboratory is that of actual practice. In the various laboratory courses of the Freshman and Sophomore years the student has been taught the whole subject, usually for the sake of completeness. All material has been prepared for him. He does not have to search for a certain reaction, lesion or germ. He finds everything ready. No search is required. The teacher has prepared it all for him.

In the Clinical Laboratory the conditions are just reversed. He receives only "Unknowns" and is now placed before the necessity of employing in a practical way his resources, gained during his former years of laboratory study.

Lectures and demonstrations, together with practical exercises, are held daily. The material from the different clinics is used and supplemented whenever necessary by material kept ready for the various exercises.

Daily conferences are held and individual efficiency ascertained by exercises and quizzes. A laboratory note book is kept by each student, containing the lectures, and personal observations on all material submitted for examination in laboratory diagnosis covering the different subjects taught, are given.

THIRD YEAR.

(a) Lectures and demonstrations. Daily 5 weeks. Professor ZEIT, assisted by Dr. BIEHN.

(b) Laboratory exercises. Daily 5 weeks. 2 hours each day. The laboratory work includes the following subjects:

I. CLINICAL BACTERIOLOGY.

Bacteriological Diagnosis of Tuberculosis, Diphtheria, Typhoid Fever, Gonorrhœa, and Suppurative Processes. Exercises in diagnosis of coverglass smears and cultures.

II. HEMATOLOGY.

Review of Histology of the Blood. Review of Technique of the Blood Examination. Pathology of the Blood. Differential diagnosis with exercises.

III. DIAGNOSIS OF TUMORS AND CURRETTMENTS.

Pathology of Tumors and Endometrium. Exercises in Diagnosis of several hundred Tumors and Curettments.

IV. URINE ANALYSIS.

Chemical and microscopical examinations.

V. EXAMINATION OF STOMACH CONTENTS AND FAECES.

IX. DEPARTMENT OF PHYSICAL DIAGNOSIS.

The work of this department comprises didactic lectures, Practice in Physical Examinations of the Normal Body, Physical Diagnosis Clinics, and Special Elective Work in which students read and discuss theses on assigned cases which have been under observation for at least four weeks.

FIRST YEAR.

(a) Physical Examination of the Normal body. Laboratory work. 8 periods. 2d Semester.
Pathological conditions illustrated by clinical cases.
Drs. CHESTER, ELLIOTT, and CAMPBELL.

SECOND YEAR.

(b) Theory and Practice of Physical Diagnosis. Lectures, 2 each week.
Professor WEBSTER.

(c) Physical Diagnosis Clinic.
Professor WEBSTER.
In course (c) cases chosen from the large Dispensary Clinics are brought before the class, and are presented with especial reference to diagnosis. Each student is expected to keep a record of cases presented, to group and co-ordinate all cases of the same class, and to present, at the end of the year, the notes, with a thesis on some one group of cases.

X. DEPARTMENT OF OBSTETRICS.

The teaching in this department is clinical, didactic, by demonstrations, by individual exercise on the manikin, and by recitations and conferences in large and small classes.

Obstetric cases of Mercy, Provident and Wesley Hospitals are used for teaching. The senior students are eligible to service in the Chicago Lying-in Hospital and Dispensary. Here each one sees and personally conducts six to ten labors in the homes of the patients, and in the hospital under the guidance of the assistant physicians. The pathological material is abundant.

THIRD YEAR.

(a) The Physiology of Pregnancy, Labor, and the Puerperium. 2 recitations each week.
Professor REED and Dr. MONASH.
The class is divided into two sections and use as text-book the typewritten notes of Professor DE LEE. The hour is spent as a recitation, conference, and demonstration course. The sections change instructors in the middle of the year.

(a_1) See Course (d).

FOURTH YEAR.

(b) The Pathology of Pregnancy, Labor, and the Puerperium. 2 Lecture recitations each week.
Professor DE LEE.
In these hours the typewritten notes of Professor DE LEE are used as a text-book, and each subject is treated by discussion and demonstration. At these times also, the obstetric operations performed on patients in the various hospitals connected with the school are rehearsed on the manikin and their clinical features discussed.

(c) Individual Practice on the Manikin. 16 Exercises per each group of 6 students.
Professor REED and Dr. STOWE.
The principal obstetric operations are performed over and over, by each student, on the manikin, with actual fetuses, under the instruction of the Demonstrators.

(d) Students of both the third and fourth years attend obstetric demonstrations and labors conducted by Professor DE LEE and assistants in the amphitheater of Wesley Hospital. Attendance on six labors is necessary for graduation.

XI. DEPARTMENT OF DERMATOLOGY AND SYPHILOLOGY.

The clinical material is very abundant in the more common skin diseases, such as eczema, psoriasis, and various forms of acne and diseases due to animal and vegetable parasites, and in the herpetic, pemphigoid, and various other eruptions. The subject of syphilis is exhaustively treated as far as the general pathology and treatment are concerned. The syphilides and affections of the mucous membranes are covered in detail, while affections of the internal organs and the nervous system are left to other departments. The clinical material is carefully selected for the clinical lectures, and is intended to illustrate them. The feature of these demonstrations is the training of the student in the diagnosis under the supervision of the Professor.

THIRD YEAR.

(a) Dermatology, Syphilology, and Gonorrhœa. Lectures and demonstrations. 2 Periods each week. 1 Semester. Professor ZEISLER.

(b) Clinical Lectures on Skin Diseases. 1 each week. Professor ZEISLER.

(c) Dispensary Clinic. 3 Periods each week for 5 weeks. Professor PARDEE.

XII. DEPARTMENT OF LARYNGOLOGY AND RHINOLOGY.

This department is furnished with specially constructed individual stalls and electric lights for the training of divided classes of students in the technique of examination and treatment of the nose and throat, following the method of arrangement in vogue at Vienna. A dark-room, for translumination tests, and a dressing-room are attached, and the suite connects with a clinical amphitheater.

Preparation for work in this department is provided by the work in the Physiological Department on the larynx, in which a careful dissection of this organ is made and a study of its cartilages, muscles and mucous membrane.

THIRD YEAR.

(a) Laryngology and Rhinology. Lecture 1 hour each week. 1 Semester.
Professor CASSELBERRY.

(b) Clinical Lecture. 1 hour each week.
Professor CASSELBERRY.
This clinic is largely of a surgical nature, is rich in material, and exemplifies in the course of the year all the principal operations and minor operative methods of treatment for this class of diseases.

(c) Dispensary Clinics, individual instruction in technique. 6 Periods each week for 5 weeks.
Professor CASSELBERRY, assisted by Drs. MENGE, STUBBS and EGGERT.

XIII. DEPARTMENT OF OPHTHALMOLOGY AND OTOLOGY.

Preparation for the special work of this department is provided by the courses which the second-year students receive in the gross and minute Anatomy and Physiology of the Eye and Ear.

In the Physiology of the Special Senses each student makes a careful dissection of the eye and its appendages. He determines the refractive index of various media, he determines the focal distance of lenses, and has practice in perimetry in determination of normal vision and in the detection and determination of the simpler errors of refraction. The course in Normal Ophthalmology and Skiascopy comprises work done with the retinascope and ophthalmoscope upon artificial eyes and upon the normal human eye.

THIRD YEAR.

(a) Ophthalmoscopy, Otoscopy, and Refractive Work (elective in either third or fourth year). 1 Laboratory period each week. One-half Semester.

(b) Clinical Lectures and Demonstrations. (Optional.) St. Luke's Hospital. 1 Period each week.
Drs. ALLPORT and WOOD.

FOURTH YEAR.

(c) Ophthalmology and Otology. The Pathology, Therapy, Surgery, and Hygiene of the Eye and Ear. 1 Lecture each week.
Professor GRADLE.

(d) Clinical Lecture at College. 1 each week.
Professor GRADLE.

(e) Clinical Lecture at Mercy Hospital. (Optional.) 1 each week.
Professor STARKEY.

(f) Dispensary Clinics, in which small classes of students receive individual instruction in examination, diagnosis, and treatment of cases. 6 Periods per week for 5 weeks.
Drs. MANN, SALINGER, KAHN, LESAGE and PATILLO.

XIV. DEPARTMENT OF GYNECOLOGY.

Instruction in this department comprises didactic lectures, conferences and clinics. The clinics are given at Wesley Hospital, Mercy Hospital, St. Luke's Hospital, and to divided classes in the College Dispensary. All students are required to make themselves proficient in general gynecological diagnosis and treatment, and, with this object in view, are brought into close personal relations with a large number and variety of cases in the dispensary. Not less than an average of three operative clinics a week are given in different hospitals in the immediate vicinity of the College. These clinics afford the student abundant opportunity to familiarize himself with all the major and minor operations of gynecology. Not only a theoretical appreciation, but a practical working knowledge of gynecology is a prerequisite to graduation. The following courses will be offered.

FOURTH YEAR.

(a) General Gynecology. Lectures and Conferences. 2 each week. One and one-half Semesters.
Professor DUDLEY, assisted by Drs. GILLMORE, SAUER and OWSLEY.

(b) Clinics at Wesley Hospital. 1 each week throughout the year required.
Professor DUDLEY October to April, Professors F. T. ANDREWS and WATKINS April to October.*

(c) Clinical Lectures at St. Luke's Hospital. 1 each week.
Professors DUDLEY, WATKINS, and FRANKENTHAL.

* In the seccond semester at least one of these three clinics must be elected. They are all optional throughout the year.

(d) Clinics at Mercy Hospital. 1 each week throughout the year. (Elective.)*
Professors F. T. ANDREWS and WATKINS.

(e) Dispensary Clinics. Daily to divided classes. Each fourth-year student is required to attend for 5 weeks.
Professors WATKINS and F. T. ANDREWS, and Drs. SAUER, GILLMORE and OWSLEY.

(f) An optional course in the practical demonstration of gynecological procedures once a week during the second semester.

XV. DEPARTMENT OF NEUROLOGY.

Teaching in this department is done by lectures, recitations, and clinics in the College and dispensary, and by clinics in the hospitals.

FOURTH YEAR.

(a) Diseases of the Nervous System. 1 Lecture each week. 1 Semester.
Professor CHURCH.

(b) Clinical Lecture each week. First Semester.
Professor PATRICK.

(c) Clinical Lecture each week, with especial reference to hospital cases. Second Semester.
Professor CHURCH.

(d) Recitations. Text-book assignments and reviews of clinical and didactic lectures. 1 hour each week. 1 Semester.
Professor MIX.

(e) Dispensary Clinics. 6 periods each week. 5 weeks.
Professor MIX, and Drs. GOWEN, GRINKER, HECHT and SHOSKEY.

SUB-DEPARTMENT OF MENTAL DISEASES AND MEDICAL JURISPRUDENCE.

(a) The topics related to Mental Diseases are presented always in their practical and clinical aspects. By the revision of a large number of case histories, mental diseases are made as vivid as possible. At the same time their medical and medico-legal relations are emphasized. 1 Lecture per week. One-half Semester.
Professor CHURCH.

*In the second semester at least one of these three clinics must be elected. They are all optional throughout the year.

(b) The lectures pertaining to Medical Jurisprudence are intended to give the prospective medical practitioner a clear realization of his relations and duties toward the public and of his special privileges, as well as of the claims the public and the courts have upon him. The emergencies that are likely to fall under his observation requiring a degree of familiarity with the usages of law, and his proper attitude as a medical witness are dwelt upon at some length. 1 Lecture per week. ½ Semester.
Professor CHURCH.

(c) Recitations. Reviews of clinical and didactic lectures. 1 each week. 1 Semester.
Professor MIX.

XVI. DEPARTMENT OF PEDIATRICS.

It is the desire of all those connected with this department to make its instruction chiefly clinical and personal.

THIRD YEAR.

(a) Recitations. 1 period each week. 1 Semester. Dr. DENNIS.

(b) Dispensary. Children's Clinic. 6 periods each week. 5 weeks. Professor WALLS, and Drs. DENNIS, MCGONAGLE, GREEN, JACKSON and KILBOURNE.

FOURTH YEAR.

(c) Clinical Lecture. 1 Period each week.
Professor WALLS.

The most interesting of the patients attending the dispensary clinics are reserved for the weekly college clinic, open to all students.

XVII. DEPARTMENT OF SURGERY.

A systematic graded course is offered in surgery. A foundation for systematic and clinical study is laid in the Pathological Laboratory, where Professor Ohlmacher lays especial stress on the study of the topics most frequently of interest to the surgeon—the reactions of tissues to wounds and their infections and neoplasms. Professor Zeit, in the Laboratory for Bacteriology, considers the parasitism of wounds and the surgical infectious diseases. Associate Professor Schroeder

gives the second year class a recitation course in "General Surgery"—this expression being used to signify the study of the various surgically interesting maladies apart from the regions of the body which they affect, together with a consideration of their treatment.

The chief surgical feature of the third year's work is the extended elementary recitation course given by Associate Professor Schroeder in the first semester and by Professor Plummer in the second semester. The entire field of surgery is covered during this course by recitations from text-book on the surgery of the various *regions* of the body.

A further course in Special Surgery is offered in the fourth year by Professor Van Hook, who endeavors to consider in a manner as thorough and extended as time will permit, a number of the great topics of every-day surgical interest. The topics considered are illustrated, as far as possible, by clinical material.

Operative surgery, with especial reference to regional anatomy, is taught in the first semester of the third year by Professor Plummer. During the second semester of the same year Drs. Richter, Besley, and Morf conduct a Laboratory course in Experimental Surgery.

The Clinical work is thoroughly classified and systematically arranged. Small classes attend the Dispensary, where especial attention is given to the subject of diagnosis, each student being required to study for himself the cases presented.

Professor Van Hook offers two clinics each week in the amphitheatre of Wesley Hospital. One clinic is given on Saturday morning at 9 o'clock for both Senior and Junior students. On Tuesday afternoon at 4 o'clock a clinic is given for Junior students. Material for these clinics is derived from Wesley Hospital and the College Dispensary.

Besides the regular clinical lectures noted, small sections of the Junior and Senior classes are required to attend the hospitals, where they are brought into close contact with the teacher and patient by ward teaching and by operative demonstrations.

THE COURSE IN SURGERY.

SECOND YEAR.

(a) Recitations on Surgery. 3 each week. March, April, May.
Professor SCHROEDER.

THIRD YEAR.

(b) Dispensary Clinics in General Surgery. Individual instruction in divided classes. 6 each week for 5 weeks.
Doctors RICHTER, MORF, and MATTER.
Dispensary Clinics in Genito-Urinary Surgery. Individual instruction in divided classes. 3 each week for 5 weeks.
Professor SCHROEDER and Dr. PARKER.

(c) Operative Surgery. Laboratory Operative Work on Cadaver. 3 periods each week. 5 weeks.
Professor PLUMMER.

(d) Experimental Operative Surgery upon Dogs. 3 periods each week. 5 weeks.
Doctors RICHTER and BESLEY.

(e) Lectures and Recitations on Surgery. 2 each week.
Professors PLUMMER and SCHROEDER.

(f) Clinical Lectures in Wesley Hospital Amphitheatre. 1 period of 3 hours, 1 of 2 hours each week.
Professor VAN HOOK, assisted by Doctors RICHTER, BESLEY, MORF, MATTER, and GALLOWAY.

(g) Clinical Lecture in Mercy Hospital Amphitheatre. 2 periods of 2 hours each week.
Professor MURPHY, assisted br Dr. NEFF.

(h) Clinical Lecture at St. Luke's Hospital. 1 each week.
Professor OWENS, and Drs. ALLPORT, MCARTHUR, and HARRIS.

FOURTH YEAR.

(i) Lectures on General Surgery. 3 hours each week.
Professor VAN HOOK.

(j) Clinical Lecture in Wesley Hospital Amphitheatre. 1 period of 3 hours each week.
Professor VAN HOOK, assisted by Doctors RICHTER, BESLEY, MORF, MATTER, and GALLOWAY.

(k) Clinical Lecture in Mercy Hospital Amphitheatre. 2 periods of 2 hours each week.
Professor MURPHY, assisted by Dr. NEFF.

(l) Clinical Lecture in Mercy Hospital Amphitheatre. 1 each week.
Professor E. W. ANDREWS and assistants.

(m) Clinical Lecture to section of class, Mercy Hospital. 1 each week.
Professor MORGAN.

(n) Surgical Clinic to section of class, Provident Hospital. 1 each week.
Professor SCHROEDER.

(o) Weekly Ward Visits at Wesley, Mercy, and Provident Hospitals.
Professors VAN HOOK, ANDREWS, MORGAN, and SCHROEDER.

DEPARTMENT OF ORTHOPEDIC SURGERY.

The instruction in this department is based upon the clinical material. The abundant material of the dispensary clinic furnishes a sufficient range of cases to permit a fairly complete presentation of the whole subject of Orthopedics, with the great advantage of illustrating each subject with one to several cases.

THIRD YEAR.

(a) Clinical Lecture in Orthopedics. 1 each week.
Professor RIDLON.

(b) Dispensary Orthopedic Clinics before small classes. 3 each week for 5 weeks.
Doctors JACOBS, and BRISLEN.

(c) Hospital Clinics and Operative Clinics, will be given at St. Luke's Hospital and Wesley Hospital as the material presents.
Professor RIDLON.

(d) Selected students may receive personal training at the Home for Destitute Crippled Children in operative technique, ordering and adjustment of braces, application of plaster of paris dressings, and in the selections of materials and details of manufacture of orthopedic appliances. (Elective.)
Professor RIDLON.

XVIII. DEPARTMENT OF MEDICINE.

Instruction in medicine is begun in the first year by a thorough course in Physical Diagnosis, beginning with labora-

tory work upon the normal subject and illustrated by typical cases from the clinics. This course is continued through the second year, as Physical and Clinical Diagnosis, presented in lectures and demonstrations, and amply illustrated in a college clinic, given once each week to this class.

In the last semester of the Sophomore year a recitation course in medicine is begun. It is ended with the completion of the first semester of the Junior year. In this way the students are given a rapid review of the whole field of medicine before they come to the large amount of clinical work of the last two years of their course.

During the Junior year a general hospital clinic is given throughout the year at St. Luke's Hospital, and one general clinic at the College on ambulatory cases. A general clinic is also given in pediatrics and dermatology each week, and clinics in both subjects to groups of eight or ten students for five weeks consecutively. Two hours a week are devoted to a lecture course upon selected subjects, given by Professors Davis and Edwards.

An important feature in the medical instruction in the Junior year is the work in the medical department of the South Side Dispensary. Small sections of eight to ten students are assigned to a service of five weeks. During this service each student has an opportunity to receive personal instruction in the application of his previous year's work in physical diagnosis, in the methods of differential diagnosis, in symptomatology, in therapeutics, and in prescription writing. This personal contact with patients and individual opportunity to put into practice the didactic and clinical instruction of the various departments, has always been a leading feature in this institution.

In the Senior year the lecture course, two hours a week, is continued upon selected subjects. Three general clinics are given each week at Mercy Hospital and one at Wesley and one at the College. The students are divided into small groups and are taken each day through the wards of the hospitals so that they can watch the effect of medicines and the progress

and course of diseases for five weeks at a time under as many different instructors. In these ways students are constantly brought into immediate contact with patients and guided in their examination by the chiefs of clinics. Even in many of the general hospital clinics students are taken into the wards to the bedside of the sick.

The general college clinics are given by different teachers in each class. Small groups of students receive special instruction for five weeks consecutively in nervous diseases and also attend the general clinics on neurology.

All the methods of clinical investigation are repeatedly illustrated. The opportunities offered by the Laboratory of Clinical Pathology are of the utmost importance and supplement the clinical work in medicine and surgery.

The medical teaching of the Senior year is chiefly clinical. The study of medicines and their mode of action is begun before clinical teaching is taken up, as those subjects must be understood before prescriptions for the sick can be comprehended. For the same reason general pathology is taken in the second year, and in the third special pathology is taken up while the recitation course in medicine is being pursued.

The object is to introduce first the most fundamental subjects which are tributary to medicine, and end the course with as many practical clinical demonstrations as possible.

Medical specialties, such as pediatrics and nervous diseases, are given towards the end of the course.

THE COURSE IN MEDICINE.

FIRST YEAR.

Physical Examination of the Normal Body, Laboratory work. 8 Periods, 2d Semester.
Pathological conditions, illustrated by clinical cases. [See IX.(a).]
Drs. CHESTER, ELLIOTT, and CAMPBELL.

SECOND YEAR.

(a) Physical Diagnosis or Clinical Lecture. 1 each week. [See IX. (c).]
Professor WEBSTER.

(b) Recitations from text-book. 2 hours each week. Three-fourths Semester.
Professor PREBLE.

THIRD YEAR.

(c) Dispensary Clinic to small classes of not more than 12 students. 5 weeks.
Doctors FOWLER, MOWRY, GIBSON, ELLIOTT, EGGERT, DYCHE, MILLER, ALLEN, DAVIS and CAMPBELL.

(d) Recitations from text-book. 4 hours each week. 1 Semester.
Professor PREBLE.

(e) Clinical Lectures at the College. 2 each week.
Professors EDWARDS and PREBLE.

(f) Clinical Lectures at St. Luke's Hospital. 1 each week.
Professors EDWARDS, FAVILL and WALLS.

(g) Lectures. 2 hours each week.
Professors DAVIS and EDWARDS.

FOURTH YEAR.

(h) Lectures for 1901–1902. Diseases of the Lungs, Heart, Aorta and Kidneys. 2 hours each week. 1 Semester.
Professor DAVIS.

(i) Lectures for 1901–1902. Infectious Diseases, Chronic General Diseases. 2 hours each week. 1 Semester.
Professor EDWARDS.

(j) Clinical Lectures at Mercy Hospital.
Once weekly, 1st Semester; twice weekly, 2d Semester.
Professor DAVIS.
Once weekly.
Professor EDWARDS.
Once weekly, 1st Semester.
Professor WEBSTER.

(k) Clinical Lectures at College. 1 each week.
Professor EDWARDS.

(l) A weekly ward visit is made by sections of the class to the wards of Wesley, Mercy, and St. Luke's hospitals under guidance of Professors DAVIS, EDWARDS, JOHNSON, WEBSTER, WALLS and other instructors.

(m) Clinic, Provident Hospital. Once weekly. Section of class.
Professor EDWARDS, and Doctors BURR and LEEMING.

(n) Clinical Lectures at Wesley Hospital; twice each week throughout the year.
Professor EDWARDS, once each week.
Professor DAVIS, once each week, 1st Semester.
Professor WEBSTER, once each week, 2d Semester.

THE SUMMER SCHOOL.

For summer work, there is an increasing demand on the part of students from other institutions whose clinical facilities are not so great as those enjoyed in Chicago, and on the part of those students of Northwestern University Medical School who are making special preparation for the competitive hospital examinations which occur at the end of the medical course, or of those who have entered from other medical colleges and have work to make up.

The courses of the summer school are well adapted to the needs of practitioners, there being extended opportunity for practice in the newer and more scientific methods of clinical diagnosis and pathology, as well as for experimental work in physiology, therapeutics, and surgery. The small number of students makes the clinical opportunity especially good.

The highest quality of work is insisted upon and full credit is given by the Registrar for the summer courses in so far as they cover the ground of the regular course of the college year.

The courses begin June 3d and extend to August 3d, thus covering the period of one-half semester.

Those desirous of doing summer work must register with the Clerk at the College for such courses as they desire.

Courses will not be given unless a sufficient number of students register for them.

THE COURSES OF THE SUMMER SCHOOL.

LABORATORY AND RECITATION OR LECTURE COURSES.

I. *Physiological Chemistry.* Urinalysis or Special Problems in Medical Chemistry.
Professor LONG and Mr. WRIGHT.

II. *Anatomy.*

(1) Human Dissections and Laboratory Quizzes. Daily, 1 to 3 p.m. There will be an opportunity to enter a special Quiz-Class in Anatomy.
Professor BURNS.

(2) Neurology. A course on the gross and minute anatomy of the Central Nervous System.
Professor MIX.

III. *Histology.* Laboratory work in Technique and Drawing, with daily Quizzes. Daily, 9 to 12 a.m.
Professor HILL and Mr. BUHLIG.

IV. *Physiology.*

(1) Laboratory work, demonstrations and recitations on the Circulatory and Respiratory Systems. Daily, 4 weeks, 1 to 3 p.m.
Professor HALL and assistants.

(2) Haematology and Chemistry of Digestion. Laboratory work, demonstrations, and recitations. Daily, 4 weeks, 1 to 3 p.m.
Dr. KURTZ.

VI. *Bacteriology.* Laboratory work in Technique, Microscopical work, and drawing, with laboratory quizzes. Tuesdays, Thursdays, and Saturdays, 9 to 12 a.m.
Professor ZEIT and Dr. BIEHN.

VII. *Pathological Histology.* Laboratory work in Technique, study of Sections and Drawings. Mondays, Wednesdays, and Fridays, 9 to 12 a.m.
Professor OHLMACHER, Dr. OHLMACHER, and assistants.

VIII. *Clinical Pathology.* Daily, 2 courses of 4 weeks each, 2 to 4 p.m. (For subjects see General Course).
Professor ZEIT, and Dr. BIEHN.

X. *Operative Obstetrics.* Daily, 4 weeks, 1 to 3 p.m.
Professor REED.

XVII. *Operative Surgery.* Daily, 2 weeks, 1 to 3 p.m.
Professor PLUMMER, and Drs. BARNES and CHENEY.

CLINICAL COURSES OF THE SUMMER SCHOOL.

X. *Obstetrics.* Clinic Chicago Lying-in Dispensary.
Professor DE LEE.

XI. *Dermatology and Syphilology.*

(a) Clinical Lecture. College, 1 each week, Friday, 4 to 5 p.m.
Professor ZEISLER.

(b) Dermatology. 1 each week, 4 to 5 p.m.
Professor PARDEE.

(c) Minor Genito-Urinary Disorders. 2 each week, 4 to 5 p.m.
Professor PARDEE.

(d) Dispensary Clinics. Daily, 2 to 4 p.m.
Professor PARDEE.

XII. *Laryngology and Rhinology.*

(a) Clinical Lecture. College, 1 each week, Tuesday, 10 to 12 p.m.
Dr. MENGE.

(b) Dispensary Clinic. Daily, 10 to 12 a.m.
Drs. MENGE, STUBBS and EGGERT.

XIII. *Ophthalmology and Otology.*

(a) Dispensary Clinics. Daily, 2 to 4 p.m.
Drs. MANN, SALINGER, KAHN, LESAGE and PATTILLO.

XIV. *Gynecology.*

(a) Dispensary Clinics. Daily, 2 to 4 p.m.
Professors WATKINS, F. T. ANDREWS, and Drs. SAUER, GILLMORE, and OWSLEY.

(b) Mercy Hospital. 1 each week, Thursday, 10:30 to 12:30.
Professor F. T. ANDREWS.

XV. *Neurology.*

(a) Clinical Lecture. College, 1 each week, 3 to 4 p.m.
Professor PATRICK, Mondays; Dr. MIX, Thursdays.

(b) Dispensary Clinics. Daily, 2 to 4 p.m.
Drs. GOWEN, GRINKER, and HECHT.

XVI. *Pediatrics.*

(a) Lectures. 1 each week, 4 to 5 p.m.

(b) Dispensary Clinics. Daily, 10 to 12 a.m.
Professor WALLS and Drs. MCGONAGLE, JACKSON, DENNIS, GREEN, and KILBOURNE.

(c) Clinical Lecture. College, 1 each week, Tuesday, 11 to 12 a.m.
Professor WALLS.

XVII. *Surgery.*

(a) Clinical Lecture. College, 1 each week, Saturday, 9 to 12.
Professor VAN HOOK, assisted by Drs. RICHTER, BESLEY, MORF, and MATTER.

(b) Clinical Lecture at Mercy Hospital, 10 to 12 a.m., on Mondays and Thursdays.
Professor MURPHY.

(c) Dispensary Clinics. Daily, 2 courses, 4 weeks each, 3 to 4 p.m.
Drs. RICHTER, MORF, and MATTER.

XVIII. *Medicine.*

(a) Clinical Lecture. College, 10 to 12 a.m., Wednesdays.
Professor EDWARDS.

(b) College Clinic, 11 to 12 a. m., Fridays.
Professor PREBLE.

(c) Mercy Hospital Clinic. 8 to 9 a.m., Fridays.
Professor DAVIS, WEBSTER, or PREBLE.

(d) Dispensary Clinics. Daily, 2 courses, 4 weeks each, 10 to 12 a.m.
Drs. FOWLER, HARPOLE, CHESTER, MOWRY, GIBSON, ELLIOTT, DYCHE, MILLER, ALLEN, DAVIS, and CAMPBELL.

WESLEY HOSPITAL.

THE ATTENDING STAFF.

Department of Medicine.
*Nathan Smith Davis, Jr., M.D.
*Arthur R. Edwards, M.D.
*George W. Webster, M.D.
*Robert Preble, M.D.

Department of Gynecology.
*Emilius C. Dudley, M.D.

Department of Nose and Throat.
*William E. Casselberry, M.D.

Department of Orthopedic Surgery.
*John Ridlon, M.D.

Department of Pediatrics.
*Marcus P. Hatfield, M.D.

Department of Nervous and Mental Diseases.
*Archibald Church, M.D.
*Hugh T. Patrick, M.D.

Department of Surgery.
*Weller Van Hook, M.D.
*Samuel C. Plummer, M.D.
*William E. Schroeder, M.D.

Department of Eye and Ear.
*Henry Gradle, M.D.
Frank Allport, M.D.

Department of Obstetrics.
*Joseph Bolivar DeLee, M.D.

Department of Renal Surgery.
Isaac N. Danforth, M.D.

Department of Pathology.
*Albert P. Ohlmacher, M.D.

Department of Dermatology.
*Joseph Zeisler, M.D.

*Members of the Faculty of Northwestern University Medical School.

The most notable recent addition to the equipment of the Medical School is to be found in the operating rooms, wards, and laboratories of Wesley Hospital.

Neither expense nor time has been spared to make this one of the best equipped hospitals in the world.

With its laboratories for sterilizing and preparing dressings and instruments, its ampitheatres, its clinical and pathological laboratories, drug-room and morgue; with its sunbaths and suites of private rooms, and with its commodious, light and well ventilated wards this institution would seem to have reached the highest mark in hospital construction and equipment. The personnel of its staff vouchsafes to the public a high ideal in medical science in the treatment of disease, and guarantees to the medical undergraduates unexcelled opportunities to observe and to participate in the most advanced medical and surgical treatment of cases.

The wards and private rooms contain together 225 beds.

One of the largest and best training schools for nurses in Chicago is connected with Wesley Hospital.

The instruction given to the students in the Wesley Hospital makes a very important portion of their clinical course. This is naturally consequent upon the close relation of the two institutions —the hospital standing beside the College Building and connected by corridors.

The course of clinics to be given during the year 1902–1903 is planned to be as follows:

XVIII. (n) Clinical Lectures in Medicine. Once each week.
Professor EDWARDS.

XVII. (f and j) Clinical Lectures in Surgery. Twice each week.
Professor VAN HOOK, assisted by Drs. RICHTER, BESLEY, MORF, and MATTER.

XVIII. (n) Clinical Lectures in Medicine. Once each week. 1st Semester.
Professor DAVIS.

XIV. (b) Clinical Lectures in Gynecology. Once each week. 2d Semester.
Professor DUDLEY and assistants.

XVIII. (n) Clinical Lectures in Medicine. Once each week. 2d Semester.
Professor WEBSTER.

XVIII. (l) Ward Visits in Medicine.
Professors DAVIS, EDWARDS, and WEBSTER.

XVII (o) Ward Visits in Surgery.
Professors PLUMMER and SCHROEDER.

MERCY HOSPITAL.

THE ATTENDING STAFF.

Consulting Physicians.

*Nathan Smith Davis, Sr., M.D.
*John H. Hollister, M.D.

Department of Surgery.

*John B. Murphy, M.D.
*E. Wyllys Andrews, M.D.
*William E. Morgan.

Department of Medicine.

*Nathan Smith Davis, Jr., M.D.
*Arthur R. Edwards, M.D.
*George W. Webster, M.D.
*Frank S. Johnson, M.D.
*Robert Bruce Preble, M.D.

Department of Obstetrics.

*Joseph B. De Lee, M.D.

Department of Pathology.

*Albert P. Ohlmacher, M.D.

Department of Gynecology.

*Frank T. Andrews, M.D.
*Thomas J. Watkins, M.D.

Department of Eye and Ear.

*Horace M. Starkey, M.D.

Department of Dermatology.

*Joseph Zeisler, M.D.

This hospital is at the corner of Calumet Avenue and Twenty-sixth Street, and is under the exclusive care of the Faculty. It is conducted by the Sisters of Mercy, and receives a large number of patients annually, both from the city and the country. It has recently been rebuilt and enlarged so that its capacity is increased to about four hundred beds.

Daily clinics are held in the hospital amphitheatre, or at the bedside in the wards, according to the nature of the individual cases.

The members of the Clinical Class are allowed to examine the cases for themselves, and thus acquire a personal familiarity with the clinical aspect of a large variety of diseases.

In classes of two or three, students of the Senior year are allowed to watch the progress of obstetrical cases under the direction of the House Physician.

Each member of the graduating class may serve as Surgical Dresser in Mercy Hospital, and receive a certificate for efficient and faithful services.

A laboratory has been equipped for Clinical Bacteriology and microscopical work, which will be utilized for teaching purposes as well as for clinical examinations. The fee for the annual Mercy Hospital ticket is six dollars.

The operating rooms are equipped with every modern facility.

The dressing and anæsthetizing rooms have been fitted up in a manner as near perfection as science and skill can make them.

The training school for nurses is one of the best in America, requiring a high school diploma for admission, and three years of 12

*Members of the Faculty of Northwestern University Medical School.

months each devoted to the theory and practice of trained nursing in every phase of the subject.

To students of the fourth year of the Northwestern University Medical School the following course is provided:

THE CLINICAL COURSE.

XVIII. (j) Clinical Lecture in Medicine in the new amphitheatre. Once each week.
Professor DAVIS.

XVII. (k) Clinical Lecture in Surgery. Twice each week in the new operating amphitheatre to both third and fourth year classes.
Professor MURPHY.

XVIII. (j) Clinical Lecture in Medicine. Once each week.
Professor JOHNSON.

XVII. (l) Clinical Lecture in Surgery. Once each week.
Professor E. W. ANDREWS.

XVIII. (j) Clinical Lecture in Medicine. Once each week. 1 Semester.
Professor WEBSTER.

XIV. (d) Clinical Lecture in Gynecology. (Elective.)
Professor F. T. ANDREWS, 1st Semester.
Professor WATKINS, 2d Semester.

XIII. (e) Clinical Lectures in Ophthalmology and Otology to sections of the class. Once each week.
Professor STARKEY.

XVII. (m) Clinical Lecture in Surgery to sections of the class. Once each week.
Professor MORGAN.

XVIII. (l) Ward Visits in Medicine. Three each week.
Professors DAVIS, JOHNSON, and WEBSTER.

XVII. (o) Ward Visits in Surgery. Two each week.
Professors ANDREWS and MORGAN.

ST. LUKE'S HOSPITAL.

THE ATTENDING STAFF.

President, John E. Owens, M.D.
Vice-President, Frank Billings, M.D.
Secretary, Daniel E. Eisendrath, M.D.

Attending Surgeons.
*John E. Owens, M.D.
Lewis L. McArthur, M.D.
W. H. Allport, M.D.
M. L. Harris, M.D.

Attending Gynecologists.
*E. C. Dudley, M.D.
*T. J. Watkins, M.D.
L. E. Frankenthal, M.D.
Wm. Cuthbertson, M.D.

Attending Oculists and Aurists.
E. J. Gardiner, M.D.
Frank Allport, M.D.
A. Casey Wood, M.D.

Attending Orthopedic Surgeons.
*John Ridlon, M.D.
A. B. Hosmer, M.D.
F. S. Coolidge, M.D.

Attending Neurologists.
Elbert Wing, M.D.
*Archibald Church, M.D.
Sanger Brown, M.D.

Attending Physicians.
Frank Billings, M.D.
Henry B. Favill, M.D.
*Francis X. Walls, M.D.
*Arthur R. Edwards, M.D.

Attending Obstetricians.
Frank Gary, M.D.
Junius C. Hoag, M.D.

Attending Oral Surgeons.
John S. Marshall, M.D.
Thomas L. Gilmer, M.D.

Pathologists.
*F. Robert Zeit, M.D.

Attending Laryngologists and Rhinologists.
*William E. Casselberry, M.D.
T. Melville Hardie, M.D.

This hospital is situated on Indiana Avenue, near Fourteenth street. Owing to its central situation, it receives a large number of accident cases, and its surgical clinic is, consequently, an extensive one. Clinics are given regularly in Medicine, Nervous Diseases, Surgery, Gynecology, and Diseases of the Eye and Ear. The autopsies held by the Pathologists in the amphitheatre of the hospital morgue constitute an important part of the clinical instruction.

The St. Luke's Training School for Nurses is one of the oldest and best in the West. Its students, now numbering fifty, must be thoroughly equipped, and they spend three years in theoretical and practical training.

The clinics and autopsies of St. Luke's Hospital are attended principally by the third-year students. The annual fee is five dollars. The following courses are given:

XVIII. (f) Clinical Lectures in Medicine. Once each week. Professors EDWARDS, FAVILL, and WALLS.

XVII. (h) Clinical Lectures in Surgery. Once each week. Professors OWENS, ALLPORT, MCARTHUR, and HARRIS.

XIII. (b) Clinical Lectures in Ophthalmology. Once each week. Drs. JONES and GARDINER.

*Members of the Faculty of Northwestern University Medical School.

XIV. (a) Clinical Lectures in Gynecology. Once each week. 1st Semester.
Professors DUDLEY and WATKINS.

XVIII. (l) Ward Visits in Medicine. Once each week.
Professor WALLS.

PROVIDENT HOSPITAL.

THE ATTENDING STAFF.

Department of Surgery.

David H. Williams, M.D.
*William E. Schroeder, M.D.
A. A. Wesley, M.D.
T. B. Swartz, M.D.

Department of Gynecology.

*Thomas J. Watkins, M.D.
G. C. Hall, M.D.
L. E. Frankenthal, M.D.
J. H. Eskridge, M.D.

Department of Dermatology.

L. B. Baldwin, M.D.

Department of Eye and Ear.

*William A. Mann, M.D.
Stewart Webster, M.D.

Department of Pathology.

*W.nfield S. Harpole, M.D.

Department of Medicine.

A. H. Burr, M.D.
A. W. Williams, M.D.
John Leeming, M.D.
*Arthur R. Edwards, M.D.

Department of Obstetrics.

*Joseph B. De Lee, M.D.

Department of Pediatrics.

E. S. Stewart, M.D.

Department of Oral Surgery.

C. E. Bentley, M.D.
C. P. Pruyn, M.D.

This hospital, located at the corner of Thirty-Sixth and Dearborn streets, has been recently much enlarged. Besides its 100 beds which can accommodate 800 to 1,000 patients annually, there is a large dispensary in which about 6,000 ambulatory patients receive treatment each year.

The character of the staff is sufficient to guarantee that the patients will receive as good service as possible. A large and well conducted training school for nurses has charge not only of the hospital and dispensary patients, but supplies nurses to a large number of families in their "out-service."

The students of the Northwestern University Medical School have an opportunity to attend clinics by the Medical Staff and operations by the Surgical Staff; and are assigned in small classes to ward visits in Surgery and Gynecology.

XVII. (n) Surgical Clinic to a section of the Senior class. Once each week.
Professor SCHROEDER.

*Members of the Faculty of Northwestern University Medical School.

XIV. (f) Gynecological Clinic to a section of the Senior class. Once each week.
Professor WATKINS.

XVIII. (m) Clinical Lecture to a section of the Senior class. Once each week.
Professor EDWARDS, and Doctors BURR and LEEMING.

XVII. (n) Ward Visits in Surgery. 1 each week.
Professor SCHROEDER.

XIV. (g) Ward Visits in Gynecology. 1 each week.
Professor WATKINS.

THE SOUTH SIDE DISPENSARY.

THE DISPENSARY STAFF.

Chief of Dispensary Staff, - - Frank X. Walls, M.D.

Medical Department.

Professor A. R. Edwards.
Professor G. W. Webster.
Professor R. B. Preble.
Doctor E. B. Fowler.
Doctor W. S. Harpole.
Doctor T. G. Allen.
Doctor J. G. Campbell.
Doctor A. E. Mowry.
Doctor H. K. Gibson.
Doctor C. A. Elliott.
Doctor C. H. Miller.
Doctor G. B. Dyche.
Doctor A. Davis.

Surgical Department.

Professor W. Van Hook.
Doctor H. M. Richter.
Doctor F. A. Besley.
Doctor P. F. Morf.
Doctor C. M. Matter.

Neurological Department.

Professor A. Church.
Professor H. T. Patrick.
Doctor C. L. Mix.
Doctor G. A. Gowen.
Doctor J. Grinker.
Doctor D'Orsey Hecht.
Doctor G. C. Shockey.

Orthopedic Surgical Department.

Professor John Ridlon.
Doctor A. J. Brislen.
Doctor J. M. Jacobs.

Department of Ophthalmology and Otology.

Professor Henry Gradle.
Doctor W. A. Mann.
Doctor R. S. Pattillo.
Doctor D. Salinger.
Doctor H. Kahn.
Doctor C. A. Lesage.

Gynecological Department.

Professor E. C. Dudley. Doctor H. E. Sauer.
Professor T. J. Watkins. Doctor R. T. Gillmore.
Doctor P. O. Owsley.

Department of Pediatrics.

Professor F. X. Walls. Doctor A. D. Jackson.
Doctor T. C. McGonagle. Doctor G. J. Dennis.
Doctor F. R. Green. Doctor E. D. Kilbourne.

Department of Laryngology and Rhinology.

Professor William E. Casselberry. Doctor F. Menge.
Doctor F. S. Stubbs. Doctor F. C. Eggert.

Department of Dermatology and Syphilology.

Professor J. Zeisler. Professor L. C. Pardee.

Genito-Urinary Surgery.

Professor W. E. Schroeder. Doctor R. M. Parker.

The Dispensary is in Davis Hall, which was constructed especially for an out-patient hospital, and contains accommodations as complete as any institution of its kind in the country. Between twenty-four and twenty-five thousand patients are treated in this dispensary annually. It has the following nine departments: Medicine, Surgery, Neurology, Orthopedics, Gynecology, Laryngology and Rhinology, Dermatology and Syphilology, Ophthalmology and Otology, and Pediatrics. Each department occupies a separate room, or suite of rooms, and is in charge of a clinical instructor.

Small classes of students are trained by the physicians in charge of the respective departments in the details of physical diagnosis appropriate to each. A record of the attendance of each student at these clinics is preserved and is used in estimating his clinical record.

For dispensary courses, see the above departments in the catalogue.

COOK COUNTY HOSPITAL.

This hospital is situated at the corner of Wood and Harrison streets. The daily average number of patients is between five and six hundred.

The Cook County Hospital, being a public institution, is open to all medical schools for clinical instruction. A number of medical schools have located in its vicinity, and the number of students attending clinics at this hospital aggregates about two thousand, there frequently being one thousand at one clinic.

The representatives of the Faculty of Northwestern University Medical School on the Cook County Hospital Staff are:

In Surgery—Professors Murphy, Van Hook, and Schroeder.
In Medicine—Professors Edwards, Preble, and Lemke.
The Cook County Hospital Clinics by the faculty are as follows:
Friday—8 to 10, Edwards; 10 to 12, Murphy; 2 to 4, Schroeder.
Saturday—1 to 2, Preble; 8 to 10 p.m., Lemke.

HOSPITAL APPOINTMENTS.

There are four interneships at Wesley Hospital each year, four at Mercy Hospital, four at St. Luke's Hospital, twenty-seven at Cook County Hospital, five at Alexian Brothers' Hospital, three at the Michael Reese Hospital, two at St. Elizabeth's Hospital, two at Chicago Hospital, two at Provident Hospital, one at the Passavant Hospital, one at the Chicago Policlinic, and six at the Chicago Lying-in Hospital.

HOSPITAL APPOINTMENTS FOR 1901.

Cook County Hospital.

Alexander Aaron Goldsmith. Victor Darwin Lespinasse.
Edwin Hardin Wiley, Jr. Walter William Bunyan.
Arthur W. McClave.

Mercy Hospital.

John Reed Persons. Patrick E. Mills.
Franz Henry Brandt. Herbert Anthony Potts.
Willoughby George Dye. George Gilbert O'Brien.
Charles Marvin Fox.

St. Luke's Hospital.

Henry John Lehnhoff. Clarence Whittingham Hopkins.
Charles Haven Francis. Charles Wheelock Boughton.

Wesley Hospital.

Major Henry Worthington. Axcel Conrad Baker.
Fred Millard Adams.

Michael Reese Hospital.

Elmer Forrest Herdien. A. Merrill Miller.

Provident Hospital.

Otis Hardy Maclay.

Chicago Hospital.

Robert Avery Noble. Charles George Beard.

Alexian Brothers' Hospital.

John Ballard Tower. Henry Lincoln Bartlett.
Daniel Edward Murphy.

Chicago Lying-in Hospital.

Vincent Alan Farrell. William Kinnaird.
Louis Beck.

German Hospital.

Frank Edward Detling.

Passavant Hospital.

Charles Edgar Smith. Charles Rutgar Jones.

Colorado Fuel and Iron Company Hospital.

William Henry Payne. Raynor Elmere Holmes.
Ortus Fuller Adams.

Chicago Eye and Ear Infirmary, -	Roland A. Greene.
St. Mary's Hospital, Chicago, - -	Thomas Maze Aderhold.
St. Francis Hospital, Kansas, -	John Donavan Clark.
St. Mary's Hospital, Wisconsin, - -	Alexander James Rudolph.
St. Mary's Hospital, Indiana, -	Francis James Coughlin.
Tamarack Mine Hospital, Michigan, -	James Burgess Quick.
Hospital at Shullsburg, Wisconsin, -	James Harrison VanVorhis.
Streeter's Hospital, Chicago, - -	Edward Clark Streeter.

THE HOSPITAL QUIZ CLASS.

Experience has shown that students who have made a careful review of the branches of the medical course are more successful in the competitive hospital examinations than are students who have not had such a review. For a number of years this hospital review, or "quiz," was under student supervision and was unsystematic and unsatisfactory to both students and faculty.

The Hospital Quiz Class is now under faculty supervision and is so arranged that the students get a thorough review during the last twelve or eighteen months before the examinations without sacrificing any of their required senior work.

Only the best one-fourth of the graduating class are eligible to the quiz class. In 1900 every member of the quiz class and as many more secured good appointments.

REQUIREMENTS FOR GRADUATION.

To obtain the degree of Doctor of Medicine, students who begin their medical studies in this school are required to take four full courses of lectures.

Essentials for graduation are:

1. Age, twenty-one years or over.
2. Four annual courses of lectures of eight months each.
3. Good moral character (which includes unexceptionable conduct while at the school).
4. Dissection of the median half of the human body.
5. Attendance upon clinics for three years.
6. Credit for eight semesters of work and satisfactory standing in all final examinations.
7. Payment in full of all fees.

FINAL EXAMINATIONS.

Final examinations are held in each required course at the end of each semester.

Examinations for those who need a second examination are given in October.

Students defective in two or more branches after the October examinations must take those branches over, and can elect no studies that conflict with them. Such students will be classed as irregulars.

HONORS.

To a few students deemed worthy by the faculty, because of their uniform good standing, honors will be granted and they may be graduated Cum Laude or Magna Cum Laude.

To students who have uniform good standing in required subjects and who do special work of an excellent character in any department, special honors will be granted.

SCHOLARSHIPS.

The Faculty have established ten scholarships which are awarded annually to those students who can demonstrate that they have the best preparation for the study of medicine. All applications must be made by August 30th. Letters of

recommendation, certificates of college work done, etc., must accompany the applications. The awards will be made by September 15th.

ASSIGNMENT OF SEATS.

Students may register and secure seats in the amphitheatres at the opening of the next session, or by sending five dollars to H. P. Hendricks, Clerk of the School, at an early date.

TEXT-BOOKS AND REFERENCE BOOKS USED IN 1901–1902.

(TEXT-BOOKS IN ITALICS.)

Dictionaries: *Gould*, Century, Foster, Duane.

Anatomy: *Gray*, Quain, Gerrish, Morris, Joessel, Edinger on the Brain and Spinal Cord, Spalteholtz, Howell on Dissection of the Dog, *Treves' Applied Anatomy*, Heath's Practical Anatomy, Holden's Osteology, Haynes' Manual of Anatomy.

Histology: *Bohm-Davidoff* and *Huber*, Quain, Piersol, Schaefer.

Embryology: *Heisler*, Hertwig, Quain, Marshall, Minot.

Physiology: *Hall's Text-book of Physiology*, American Text-book of Physiology, Landois and Stirling, Kirke's Physiology.

Chemistry: *Long's General Chemistry*, *Long's Analytical Chemistry*, *Long's Urine Analysis and Notes*.

Materia Medica: *White* and *Wilcox*, *Wood*, American Text-book of Applied Therapeutics, Hare's Practical Therapeutics.

Pathology: *American Text-book of Pathology*, *Mallory and Wright Pathological Technique*, Ziegler's General and Special Pathology, Thoma.

Clinical Pathology: *Cabot on Examination of the Blood*, Mallory and Wright, Pathological Technique.

Operative Surgery: *Stimson*, Kocher, Surgical Operations by Jacobson, Zuckerhandl.

Nervous Diseases: *Church and Peterson*, Dana, Gowers, Dercum, Gray, Mills.

Medical Jurisprudence: *Reese*, Taylor.

Practice of Medicine: *Osler*, Strumpell, Tyson, Twentieth Century, Allbutt, Loomis and Thompson, *Davis' Heart*, *Lungs*, *and Kidneys*.

Surgery: *International Text-Book of Surgery*, Tillman, Dennis, Da Costa, American Text-book of Surgery, Park.

Obstetrics: *Hirst*, Jewett, American Text-book of Obstetrics, Lusk, Parvin, *De Lee's Notes*.

Physical Diagnosis: *Webster's Notes*, *Vierordt*, Musser, Da Costa Hare, Simon.

Diseases of Children: *Holt*, Hatfield, Smith, American Text-book of Children.

Diseases of the Eye: *Fuchs*, Jackson, De Schweinitz, May, American Text-book of Eye, Ear, Nose, and Throat.

Diseases of the Ear: *Gradle*, *Diseases of the Ear*, Bacon, Politzer, American Text-book of the Eye, Ear, Nose and Throat.

Gynecology: *Dudley*, Byford, Webster, Kelly, Emmet, Montgomery, Reed.

Laryngology: *Kyle*, Bosworth, McBride, American Text-book of Eye, Ear, Nose, and Throat.

Dermatology: *Jackson*, Crocker, Kaposi, American Text-book of Skin and Venereal Diseases, Morrow.

Etiology and Hygiene: *Rohe*, Abbott, Egbert.

Bacteriology: *McFarland*, Muir and Ritchie, Abbott, Crookshank, Sternberg.

Orthopedic Surgery: *Ridlon*, Bradford and Lovett, Tubby.

Syphilis and Venereal Diseases: Taylor, Keyes.

EXPENSES.

Matriculation Fee.—The student is required to pay at the time of his first registration a matriculation fee of five dollars. This fee is paid but once, and is charged all students alike.

Annual Fee.—A fee of one hundred and thirty-five dollars must be paid annually by all students.

This fee may be paid in installments as follows: Before October 5th, $50.00; before January 5th, $50.00; before April 5th, $35.00. A discount of $10.00 is made when all fees are paid before October 5th.

Practitioners who are making brief visits to the city are always welcome to attend lectures and clinics. Those wishing to attend single lecture or laboratory courses through the year will be charged from fifteen to twenty-five dollars for each course. Those who wish to take all of the work of any one year will pay the same fee that regular students do.

Optional Courses.—A fee is charged for certain optional courses to cover cost of material used.

Deposits.—Deposit fees of ten dollars are required as a precaution against breakage or injury to apparatus in the labora-

tories and unnecessary damage to buildings or loss of instruments in laboratories and clinics. These fees are refunded in case no injury or loss occurs. Deductions from them will be made to cover breakage in laboratories and any unnecessary injury to the buildings or property of the college. Such deductions will be made from the deposit of individual students when it can be determined who has caused breakage or loss of apparatus or defacement of buildings. When it cannot be determined who has caused such loss or injury to college property the value of the loss or injury will be deducted pro rata from the deposits of all students. This deposit must be made before October 15th.

Board and lodging vary in price from three and a half to six dollars a week. Rooms, for those who desire to board and lodge themselves, will cost from six to ten dollars per month. Students may form boarding clubs in which the cost of board can be reduced to two dollars. A list of desirable rooms and boarding-places recommended by the boarding-house committee of the Y. M. C. A. can be obtained at the Association rooms or at the College office.

Young Men's Christian Association.—The Association of Northwestern University Medical School was organized in 1892. It aims to aid in the development of the highest moral and religious character in young men. It is connected with the Intercollegiate Department of the Chicago Association. By this arrangement members can obtain full privileges, at 60 per cent of the regular rates, at any of the Y. M. C. A. buildings in this city. These privileges include gymnasia, baths, natatoria, restaurants, barber shops, bicycle storage, receptions, clubs of various kinds, libraries, evening instruction in Latin, German, mathematics, etc., courses of lectures and other entertainments. Religious meetings will be held during the college year once a week, and classes in Bible-study, with weekly meetings, are maintained. Committees will cheerfully aid students in obtaining board and rooms, employment, etc. For further information call on or address W. C. Jones at the college.

How to Reach the College.—Students who desire to go directly to the college from the trains should take the South Side Elevated Railroad and get off at Twenty-sixth Street.

For further information relating to the Medical School, address Professor Arthur R. Edwards, M.D., Secretary, 2431 Dearborn Street, Chicago, Illinois.

THE LAW SCHOOL.

CHICAGO.

FACULTY.*

EDMUND JANES JAMES, Ph.D., *President of the University.*
JOHN HENRY WIGMORE, A.M., LL.B., *Professor of Law and Dean of the Faculty.*
HARVEY BOSTWICK HURD, LL.D., *Professor of Law.*
EDWARD AVERY HARRIMAN, A.B., LL.B., *Professor of Law.*
EDWIN BURRITT SMITH, A.M., LL.M., *Professor of Law.*
JULIAN WILLIAM MACK, LL.B., *Professor of Law.*
HON. NATHANIEL CLINTON SEARS, A.M., LL.D., *Professor of Law.*
CHARLES CHENEY HYDE, A.M., LL.B., *Instructor in Law.*
ALBERT MARTIN KALES, A.B., LL.B., *Instructor in Law.*
SAMUEL ADAMS, A.B., LL.B., *Professor of Law.*
CHARLES GEORGE LITTLE, A.B., LL.B., *Instructor in Law.*
HENRY SCHOFIELD, A.M., LL.B., *Instructor in Law.*
LESTER LEGRAND BOND, *Lecturer on Trademark and Copyright*
HON. PETER STENGER GROSSCUP, A.M., LL.B., LL.D., *Lecturer on International Law.*
LOUIS LEE DENT, A.B., *Tutor in Law.*
ROBERT CLOWRY CHAPMAN, LL.B., *Lecturer on Telephone and Telegraph Companies.*
CHARLES CLARENCE LINTHICUM, LL.B., *Lecturer on Patents.*
CHARLES BYRD ELDER, LL.B., *Lecturer on Extraordinary Legal Remedies.*
MITCHELL D. FOLLANSBEE, LL.B., *Lecturer on Legal Ethics.*
FREDERIC BEERS CROSSLEY, LL.B., *Secretary of the Law School.*

The Law School was founded in 1859, there being at the time but three similar schools west of the Alleghany Mountains. For a long time it was known as the Union College of Law, but in 1891 it assumed its present name.

The Law School offers to students a thorough training

*Arranged, with the exception of President and Dean, in the order of appointment.

in the various subjects of the law. Its students come from all parts of the country, and its course is arranged with a view to giving students that knowledge of the law which will be indispensable to them wherever they may practice. Special opportunities, however, are afforded for acquiring a knowledge of the law of Illinois, the peculiarities of which are pointed out in each course.

Law students are admitted without charge to courses in the College of Liberal Arts. The consent of both faculties must be obtained, however, and not more than one subject may be taken in the college in each year.

SCHOOL PREMISES.

The school premises are at present on the thirteenth and fourteenth floors of the Association Building, 153 LaSalle St. But in September, 1902, the School will be removed to the Northwestern University Building (formerly the Tremont House), on the southeast corner of Dearborn and Lake Streets. The property was recently acquired by the University at a cost of $500,000 and will be remodeled at a cost of $150,000. The Law School will occupy the entire third floor, containing a floor space of some 23,000 square feet, or more than seven times as much as at present. The quarters will be commodious and handsomely equipped, and will include two lecture rooms, a court room, an alumni room, a students' assembly room, several private studies for the school law clubs and similar purposes, besides a set of 200 lockers and the usual office rooms and professors' rooms, as well as a library and reading room occupying 5,000 square feet in floor space. The students' assembly room will be spacious and well equipped as a place for rest and conversation, the intention being to make the apartments as comfortable and attractive as possible for those students who have no home accommodations in Chicago.

REQUIREMENTS FOR ADMISSION.

Persons applying for admission as regular students must answer the following requirements:

1. *Age.*—They must not be less than eighteen years of age.

2. *Preliminary Education.*—A candidate for a degree must have a preliminary general education equivalent to that of a graduate of a high school.

3. *Time of Entrance.*—No applicant not coming from another law school will be admitted to the first-year class after the second week in January, for the reason that the courses of study are carefully graded and an acquaintance with earlier courses is necessary for the pursuit of the later ones. Those who do not enter by the beginning of January cannot work with profit to themselves, and are a hindrance to the progress of others. All students intending to enter the school are strongly urged to do so at the beginning of the year. The disadvantage of delay is great, especially to students who intend to practice law in Illinois.

ADVANCED STANDING.

The requirements in regard to advanced standing, are explained under the title "Degrees," on page 237.

SPECIAL STUDENTS.

Persons not desiring to be candidates for a degree may pursue one or more courses as special students, provided they are qualified to pursue such courses to advantage. They will receive a certificate of all work done, and they may at any time enter as candidates for a degree, provided they are qualified under the above requirements. No special student may take more than twenty-five term-hours of work in one year without special permission from the Dean.

COURSES OF INSTRUCTION.

The following list represents the courses of instruction as given in 1901-1902; to this list there may be additions in 1902-1903.

FIRST YEAR CLASS.

FIRST TERM.

Contracts—Three hours a week. Keener's Cases on Contracts. Harriman on Contracts. Mr. HYDE.

Torts—Two hours a week. Ames's and Smith's Cases on Torts. Professor WIGMORE.

Property (*I*) (Including Personal Property)—Two hours a week. Gray's Cases on Property, Vols. I, II. Mr. KALES.

Common Law Pleading and Procedure—One hour a week. Andrews Stephen on Pleading, 2d edition; Ames's Cases on Pleading. Professor ADAMS.

Criminal Law—Two hours a week. Clark and Marshall on Criminal Law. Professor HURD.

SECOND TERM.

Contracts (continued)—Three hours a week. Mr. HYDE.

Torts (continued)—Two hours a week. Professor WIGMORE.

Property (*I*) (continued)—Two hours a week. Mr. KALES.

Common Law Pleading and Procedure (continued)—Two hours a week. Professor ADAMS.

Master and Servant in Tort—One hour a week. Wambaugh's Cases on Agency. Professor WIGMORE.

SECOND YEAR CLASS.

FIRST TERM.

Evidence—Two hours a week. Thayer's Cases on Evidence, 2d edition. Professor WIGMORE.

Trusts—Two hours a week. Ames's Cases on Trusts. Professor MACK.

Agency—Two hours a week. Wambaugh's Cases on Agency. Professor HARRIMAN.

Commercial Paper—Two hours a week. Huffcut on Negotiable Instruments. Professor MACK.

(Omitted in 1902-1903 and alternate years.)

Equity (*I*)—Torts. Three hours a week. Keener's Cases on Equity, Vol. I. Mr. SCHOFIELD.

Property (*II*)—Two hours a week. Tiedeman's on Real Property. Gray's Cases on Property, Vol. V. Professor SMITH.

Equity Pleading—Two hours a week. Shipman on Equity Pleading. Professor HURD.

Sales—Two hours a week. Williston's Cases on Sales. Professor MACK.

(Given in 1902-1903 and alternate years.)

SECOND TERM.

Evidence (continued)—Two hours a week. Professor WIGMORE.

Trusts (continued)—Two hours a week. Professor MACK.

Commercial Paper (continued)—One hour a week. Professor MACK.

(Omitted in 1902-1903 and alternate years.)

Property (*II*) (continued)—One hour a week.
Professor SMITH.

Sales (continued)—One hour a week. Professor MACK.
(Given in 1902-1903 and alternate years.)

Wills and Administration—One hour a week. Bigelow on Wills.
Professor SMITH.

Equity (*II*)—Specific Performance. Three hours a week. Keener's Cases on Equity, Vol. II. Mr. SCHOFIELD.
(Omitted in 1902-1903 and alternate years.)

Equity (*III*)—Contracts. Three hours a week. Keener's Cases on Equity, Vol. III. Mr. SCHOFIELD.
(Given in 1902-1903 and alternate years.)

Bankruptcy—One hour a week. Professor MACK.

Persons and Domestic Relations—One hour a week.
Professor WIGMORE.
(Given in 1902–1903 and alternate years.)

Quasi-Contracts—Three hours a week. Keener's Cases on Quasi-Contracts. Professor WIGMORE.
(Given in 1902-1903 and alternate years.)

Bailments and Carriers—Three hours a week. McClain's Cases on Carriers; Beale's Cases on Carriers. Professor WIGMORE.
(Omitted in 1902–1903 and alternate years.)

Telegraph and Telephone Companies—One hour a week for ten weeks. Mr. CHAPMAN.

Extraordinary Legal Remedies—One hour a week. Mr. ELDER.

THIRD YEAR CLASS.

FIRST TERM.

Corporations—Two hours a week. Smith's Cases on Corporations. Professor ADAMS.

Practice—(At common law and in equity.) Two hours a week.
Judge SEARS.

International Law (*I*)—Two hours a week. Snow's Cases on International Law. Professor WIGMORE.

Suretyship—One hour a week. Ames' Cases on Suretyship.
Professor ADAMS.

Jurisdiction of Federal Courts—One hour a week. Curtis on United States Courts. Professor ADAMS.

Conveyancing—One hour a week. Gray's Cases on Property, Vol. III; with work in drafting instruments, to count as a second hour.
Professor SMITH.

International Law (*II*)—One hour a week. American Treaties and Diplomacy; topics for original research. Mr. HYDE.

SECOND TERM.

Partnership—Two hours a week. Ames's Cases on Partnership. Mr. LITTLE.

Practice (continued)—Two hours a week. Judge SEARS.

Conveyancing (continued)—One hour a week. Professor SMITH.

Corporations (continued)—Two hours a week. Professor ADAMS.

International Law (*II*) (continued)—One hour a week. Mr. HYDE.

Constitutional Law (*I*)—(In General, Police Power, Eminent Domain.) Three hours a week. Thayer's Cases on Constitutional Law, Vol. I. Mr. SCHOFIELD.

(Omitted in 1902-1903 and alternate years.)

Constitutional Law (*II*)—(Taxation, Contracts, Commerce, War, etc.) Three hours a week. Thayer's Cases on Constitutional Law, Vol. II. Mr. SCHOFIELD.

(Given in 1902-1903, and alternate years.)

The courses in Constitutional Law are also open as electives to members of the second-year class. No second-year student, however, may take courses amounting to more than 25 term-hours, or an average of 12½ hours a week for the year, without special permission from the Secretary; and no second-year student may take any other third-year courses than those in Constitutional Law without special permission.

COURSES OF LECTURES NOT COUNTED TOWARD A DEGREE.

Trade-Marks and Copyrights—Six lectures. Mr. BOND.
Patents—Three or more lectures. Mr. LINTHICUM.
General Review—Thirty-six lectures. Mr. DENT.
Legal Ethics—Three lectures. Mr. FOLLANSBEE.

SPECIAL TRAINING IN LEGAL WRITING, SPEAKING, AND PRACTICE.

In addition to the above described courses of systematic instruction in the body of the law, the following special training is offered in certain important details of legal writing,

SCHEDULE FOR FIRST HALF-YEAR.

		MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
SECOND YEAR.	8:45	Property (II).	Equity (I).	Commercial Paper.	Equity (I).	Commercial Paper.	Property (II).
	9:45	Equity Pleading.	Evidence.	Trusts.	Evidence.	Trusts.	Equity (I).
	10:45	[Agency]*	Conflict of Laws.		Conflict of Laws.	Equity Pleading.	
FIRST YEAR.	1:45	Contracts.	Criminal Law.	Contracts.	Criminal Law.	Contracts.	
	2:45	Torts.	Property (I).	Common Law Pleading.	Property (I).	Torts.	
THIRD YEAR.	3:45	Corporations.	International Law (I).	Federal Jurisdiction.	Corporations.	International Law (I).	
	4:45	Suretyship.	Practice.	International Law (II).	Practice.	Conveyancing.	

*Given at hours specially arranged in December.

SCHEDULE FOR SECOND HALF-YEAR.

		MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
SECOND YEAR.	8:45	Equity (III).	Wills.	Sales.	Equity III.	Trusts.	Bankruptcy.
	9:45	Evidence.	Trusts.	Equity III.	Evidence.	Quasi-Contracts.	Equity (III).
THIRD YEAR.	10:45	Quasi-Contracts.	Extraordinary Legal Remedies.	Telegraphs and Telephones.	Quasi-Contracts.	International Law (II).	Persons.
	12:45						
FIRST YEAR.	1:45	Contracts.	Master and Servant.	Contracts.	Torts.	Contracts.	
	2:45	Torts.	Real Property (I).	Pleading and Procedure.	Real Property (I).	Pleading and Procedure.	
THIRD YEAR.	3:45	Conveyancing.	Partnership.	Corporations.	Partnership.	Corporations.	
	4:45	Constitutional Law (I).	Practice.	Constitutional Law (I).	Practice.	Constitutional Law (I).	

speaking, and practice, which help materially to equip the accomplished lawyer.

1. *Thesis.* It is the desire of the Faculty to encourage original research by students. Any member of the third-year class may therefore obtain credit to an amount not exceeding two term-hours by presenting a satisfactory thesis upon some legal topic approved by a member of the Faculty before October 1st. The thesis must be presented on or before May 1st of the year in which the student expects to graduate; it must be printed on the typewriter or otherwise, and is to be kept permanently in the school; the work should be begun in October. The Lee prize, noted on p. 236, is awarded for the best thesis.

2. *Moot Courts and Briefs.* For the purpose of training students in the independent investigation of legal questions and in the preparations of briefs, Moot Courts are held weekly during the greater part of the year, in which the instructors preside as judges, and the members of the class prepare briefs and make oral arguments upon difficult cases given out beforehand. Each member of the second and third year classes has an opportunity to take part as counsel in these exercises. Application must be made on or before October 1st. The student may take the work in Moot Court either in his second or in his third year, or in both years, and will receive credit for one term-hour for work satisfactorily done therein.

3. *Practice Court.* In 1902-1903, a Practice Court, conducted according to the most approved methods, will be open to members of the second-year and the third-year classes. In this Court the procedure in various sorts of litigation will be practically exemplified, by taking the student through all the stages of a suit at law, requiring him to draft papers, make motions, conduct trials, and otherwise familiarize himself, before graduation, with the machinery of a Court in actual operation. The public sessions of the Court will be once a week through the year.

4. *Practical Work with Clients.* In 1902-1903, the School expects to resume, on a larger scale, its share of an undertaking in which it made a temporary beginning a few years ago—the charitable work of a Legal Aid Bureau. This Bureau will be conducted by an experienced member of the Bar, having among his assistants a limited number of qualified members of the third-year class. It will meet every day, either at the School or elsewhere, and attend to the cases of persons applying for aid. Its object is to protect from injury some of the hundreds of persons who, in a great metropolis like Chicago, are daily suffering wrong and oppression because they are too poor to obtain good legal advice. It is essentially a charitable

institution; but the experience which it gives to those advanced students who take part in it is of great value as an introduction to the practical work of applying their knowledge and dealing with clients.

5. *Public Speaking.* The function of a lawyer as the persuasive adviser and leader of men needs for its development some training in oral argument and debate, use of the voice, conduct of meetings and the like. Such a course of training will be offered in 1902-1903, in the following three parts:

(a) *Argument and Debate.* An exercise of two hours, once a week throughout the year, in a class of two sections, meeting alternately, will be conducted by Professor J. Scott Clark of the College of Liberal Arts.

(b) *Voice Training.* An exercise of two hours, once a week through the first term, in a class of two sections, meeting alternately, will be conducted by one of the Faculty of the Cumnock School of Oratory.

(c) *Parliamentary Practice.* An exercise of two hours, once in two weeks through the first term, will be conducted by Professor Joseph W. Robert, of the Robert School of Parliamentary Law.

This course in Public Speaking will be open to all students on payment of the fee noted on page 240, and may be taken a second or a third time without fee. The Towle prize, noted on page 236, awarded for proficiency in public speaking, is open to those only who have taken this course.

6. *Special Addresses on Legal Practice.* In 1902-1903, on one evening in alternate weeks, an address will be given, by some well known member of the Bar, upon some topic of practice in which he has had special experience and in which the communication of personal experience is of special value as a guide to others. These addresses will deal with the practice on such topics as the following: Eminent Domain, Personal Injuries, Municipal Ordinances, Justices' Courts, Special Assessments, Criminal Courts, Corporate Organization, Insurance Policies, Chattel Mortgage Foreclosures, Juries, Making Up a Trial Record, etc., etc.

7. *Special Addresses on Commercial Methods.* In 1902-1903, on one evening in alternate weeks, an address will be given, by some representative citizen of Chicago, on the methods of business in the leading departments of commerce and industry. The purpose of this course is to do something towards removing that ignorance which most young lawyers exhibit of the actual operations of business upon which they are asked to give legal advice, and to stimulate students to greater efforts to equip themselves more adequately in that respect. The addresses will deal with their subjects in the

most concrete and practical manner, and will describe the customary documents, books, and detailed operations of such special branches as the following: Board of Trade, Banks, Railroads, Stock Exchange, Insurance, Wholesalers and Jobbers (in various lines of goods), Exporters and Importers, Real Estate Loans, etc., etc.

SYSTEM OF STUDY AND INSTRUCTION.

The modes of instruction are varied, and depend more or less upon the individuality of the instructor and the character of the particular course. The study of cases under the instructor's direction is in almost every course the chief basis of the student's work. The object of the instruction given is not merely to secure familiarity with the rules of law as actually enforced, but also to develop a legal mind, to train the student in the art of legal reasoning, and to cultivate the faculty of sound legal common sense; in short, to prepare for the practical work of giving intelligent legal advice upon actual situations laid before an attorney by a client.

It is desirable that the student should, if possible, devote his time exclusively to his work in the Law School. The constantly increasing complexity of the law demands a thorough acquaintance with legal principles, which can be obtained only in a law school, and the work required of a student in this school is amply sufficient to occupy all his time.

Many students find places in lawyers' offices during the third year in the School; but the student is advised to delay this until after completing the course, not only because of its interference with his thorough preparation in the law, but also because the tendency among practicing lawyers is increasing to prefer, for assistants, those who have graduated and are admitted to the Bar, and to pay adequate compensation to such persons only. The experience to be gained in the school's Legal Aid Bureau and Practice Court is expected to supply more effectively the experience sought in a lawyer's office. The School endeavors to find desirable places for its students upon graduation, and those who graduate with credit are fairly certain to be thus provided for. The compensation given is subject to no general and accepted scale, but in most of the

desirable offices it ranges from $5 to $15 a week during the first year of service.

LIBRARY FACILITIES.

The School's own Library contains over 3,000 volumes. This includes (1) the treatises most needed for reference; (2) all the English reports since 1863; (3) a series of reprints, now in course of publication, of all other English Reports; (4) the complete series of the National Reporters containing the decisions of all the Supreme Courts of the States and Territories; (5) the Official Reports of the Courts of Illinois, the United States, and the other States whose decisions are most needed for the study of their local law.

But the amplest facilities for extended research are placed at the disposition of students by the courtesy of the Chicago Law Institute, located in the County Building, two blocks from the School premises. Each student is given, without charge, a certificate entitling him to the use of this Library. It contains nearly 40,000 volumes, and in extent of resources ranks among the first half-dozen in the country.

Students have also the benefit, without charge, of the Chicago Public Library, located three blocks from the new quarters of the School, and containing 276,000 volumes; of the Crerar Library, devoted especially to scientific works, and containing 76,000 volumes; and of the Newberry Library, containing 250,000 volumes.

PRIZES.

1. *The Towle Prize*—A prize of fifty dollars, the gift of Henry S. Towle, Esq., Chairman of the Law School Committee of the Board of Trustees, will be awarded for proficiency in public speaking on conditions to be announced later.

2. *The Lee Prize*—A prize of fifty dollars, the gift of Blewett Lee, Esq., formerly professor in the School, will be awarded in 1902-1903, to that member of the graduating class who presents the best thesis; but the Faculty reserve the right not to award this prize if no thesis should be presented having sufficient merit to justify this distinction.

3. *The Callaghan Prize*—A prize of fifty dollars in books to be selected from their own publications, the gift of Messrs. Callaghan

and Company, of Chicago, will be awarded annually to the member of the graduating class having the best record in scholarship for the entire course.

In 1901 the Callaghan Prize was awarded to Arthur Thomas Galt, A. B., of Chicago.

DEGREES.

All degrees are conferred at the general University Commencement. On this occasion all candidates for degrees are required to present themselves in person, the Oxford cap and gown being worn as the official dress.

I. BACHELOR OF LAWS.

The degree of Bachelor of Laws will be conferred by the Trustees of the University upon students who are recommended therefor by the Faculty of the School. Such students will be recommended as, in the judgment of the Faculty, are of fit character and have complied with the following requirements:

I. *Attendance*—Regular attendance for three years is required of all students with the following exceptions:

1. Students who have studied law for one year, either in a college, a law school, or an attorney's office, may obtain a degree in two years.

2. Students who have satisfactorily completed two years' study in a law school in good standing may obtain a degree in one year.

3. Students who have satisfactorily completed one year's study in a law school in good standing, and who have also studied law for one year, either in a college, a law school, or an attorney's office, may become candidates for a degree in one year by obtaining special permission from the Dean.

II. *Registration*—Candidates for a degree must register for work amounting to at least ten hours a week for each year.

III. *Course of Study*—All candidates for a degree must pass examinations in courses amounting to sixty term-hours, the equivalent of courses of study of ten hours a week for three years. But persons who have satisfactorily completed a two years' course of study in a law school in good standing will be excused from one-half of the examinations above required.

Persons who have satisfactorily completed less than two years' study of law in a college or law school in good standing, may be

given credit for this work and be excused from these examinations to such extent as shall be determined in each case by the Dean. The specific subjects in which such credit may be given will be determined by the Secretary at the time of admission.

Four grades are given for work done. The grades are as follows: A, excellent; B, satisfactory; C, unsatisfactory; D, failure. A student may not count a course in which he obtains grade C, except he obtain grade A in another course or courses of equivalent amount; and except that he may count courses in which he obtains grade C to the extent of one-sixth of the total work required to be done by him in this School for graduation.

II. MASTER'S DEGREE.

The Master's degree in Arts, Philosophy, Science or Letters will be conferred under the following conditions:

A graduate of the College of Liberal Arts of this University, or of some other in which the requirements for the Bachelor's degree in Arts, Philosophy, Science or Letters are equivalent to the requirements for the same degree at this University, may obtain the Master's degree at the same time with the degree of Bachelor of Laws by pursuing, with the sanction of the Faculty of Liberal Arts, advanced work in subjects approved by that Faculty, and obtaining credit in such work to the amount of twelve semester-hours; and by presenting a thesis on an approved topic. The courses of study may, in part or entirely, deal with legal subjects; but courses of legal study, in order to count for the degree, must be (*a*) of an advanced nature, (*b*) not otherwise counted for the degree of Bachelor of Laws, (*c*) pursued under the direction of a member of the Faculty of the Law School. Students in law intending to become candidates for the Master's degree must register for the same in the College of Liberal Arts and in the Law School on or before the first Monday in October of the year in which they expect to graduate, and must pay the diploma fee of ten dollars. The Master's degree is open upon the same terms to graduates of the Law School who register before the October next following the completion of their professional course.

The following subjects have been approved by the Faculty

of Liberal Arts, and work therein may be counted for the Master's degree: Constitutional Law, International Law, Administrative Law, Roman Law, Jurisprudence, Legal History.

GRADUATE WORK.

This School offers no higher degree in law than that of Bachelor of Laws, not believing that the recognition of other degrees in law, except honorary ones, is in harmony with the best dictates of wise University policy. The School offers, however, to graduates of other law schools who desire to pursue their studies further, special opportunities. The following courses are particularly recommended to graduates of law schools.

(1) *Constitutional Law.*

(2) *International Law*—In this course special research in the problems of international law of consequence to this country is provided for.

(3) *Practice*—In this course a thorough training is given in practice at common law and in equity, with special reference to the needs of members of the Illinois bar.

(4) *Conveyancing*—In this course special attention is paid to the forms of deeds and other legal instruments in common use.

(5) *General Review*—A general review of the law is offered to graduates of law schools who wish to prepare for the bar examination in Illinois. This course is given four times a year, beginning about six weeks prior to each bar examination. The course is open to all students who satisfy the instructor that they have had sufficient training in law.

(6) *Original Research*—The Faculty desires to encourage original research on the part of law school graduates. Special arrangements may be made with members of the Faculty for the pursuit of original investigation in any legal subject.

FEES.

These fees are subject to change, but will not be changed so as to affect any student after he has entered the School.

1. The tuition fee for regular students is one hundred and five dollars a year, payable in three installments of thirty-five dollars each, October 1st, January 10th, and April 1st. A rebate of five dollars is allowed to students who pay the entire

tuition in advance on October 1st. This fee entitles a student to take only the regular work of the class in which he registers.

2. Fees for special students are calculated on substantially the above basis. For any course the fee is five dollars for each hour per week of classroom-work for a half-year. A fee of two dollars will be charged to all students taking the course in Public Speaking; but, after one payment of this fee, the course may be taken in any ensuing year without charge.

3. All fees for special courses are payable at the beginning of each course.

4. Students taking other than the regular work of the class pay fees as special students for the courses taken.

5. A matriculation fee of five dollars is payable by all students at the time of entering the School.

6. A fee of ten dollars is charged for a diploma conferring the degree of Bachelor of Laws. This fee is payable June 1st, and is refunded if the student fails to graduate.

7. No reduction of fees is made to students who enter the School after the beginning of the academic year.

8. Students are permitted to take those courses only for which they pay tuition, but a student, while paying the regular fee of one hundred and five dollars, may attend without charge any course for which he has paid in any preceding year.

9. No fees except diploma fees are refunded for any cause, but a student who is prevented by sickness or otherwise from attending any course may attend the same course in any subsequent year without charge.

10. The registration of all students who fail to pay their fees at the appointed time is canceled. Any student whose registration is canceled is required to pay a fee of one dollar for reinstatement. A student whose registration is canceled ceases to be a member of the School, and can receive no certificate of attendance for the period during which his registration is canceled.

11. Students may withdraw from the School at any time by giving written notice to the Secretary. Upon the receipt of such notice by the Secretary, the student will be released

from his obligation to pay installments of tuition becoming due thereafter.

EXPENSES OF LIVING.

The School is situated within ten minutes' walk of a district in which there are great numbers of private boarding houses. Information as to desirable places can be obtained at the School. The following table exhibits the different scales of expenditure, from which the student may estimate the annual cost of living while at the School.

	LOW.	AVERAGE.	LIBERAL.
Tuition	$100	$100	$100
Board (36 weeks)	110	135	200
Room	38	70	100
Washing	15	25	35
Text-books and Stationery	30	40	45
	$293	$370	$480

ASSISTANCE TO STUDENTS.

Four assistant librarians and monitors are appointed annually. These receive free tuition in compensation for their services. Applications for appointment should be addressed to the Secretary of the Law School.

For further information relating to the School, address the Secretary of the School, Northwestern University Law School, corner Lake and Dearborn Streets, Chicago, Illinois.

THE SCHOOL OF PHARMACY.

CHICAGO.

FACULTY.

EDMUND JANES JAMES, PH.D., *President of the University.*

OSCAR OLDBERG, PHARM.D., *Dean, Professor of Pharmacy.*

WILLIAM EDWARD QUINE, M.D., *Emeritus Professor of Physiology, Therapeutics, and Toxicology.*

JOHN HARPER LONG, SC.D., *Professor of Chemistry.*

ALBERT SCHNEIDER, M.D., PH.D., *Secretary, Professor of Botany, Pharmacography and Bacteriology*

MAURICE ASHBEL MINER, PHARM.M., *Registrar, Assistant Professor of Pharmacy.*

*FRANK BURNETT DAINS, PH.D., *Assistant Professor of Chemistry.*

CHARLES WAGGENER PATTERSON, B.S., PH.C., *Assistant Professor of Analytical Pharmaceutical Chemistry.*

HARRY KAHN, PHARM.M., M.D., *Assistant Professor of Physiology and Materia Medica.*

WILLIAM THORNTON SMALLWOOD, B.S., *Instructor in Pharmaceutical Chemistry.*

WILLIAM JOHNSON, PH.C., *Instructor in the Chemical Laboratory.*

HENRY BENJAMIN CAREY, B.S., *Instructor in Botany and Pharmacography.*

CHARLES FRANCIS SAWYER, *Assistant Instructor in the Chemical Laboratory.*

HARRY DELPHOS ORR, B.S., *Assistant Instructor in the Chemical Laboratory.*

FRANK WESLEY PHELPS., B.S., *Assistant Instructor in the Chemical Laboratory.*

RUFUS WARREN CONZET, PH.G., *Assistant in the Dispensing Laboratory.*

The School of Pharmacy was established in 1886 in the quarters previously occupied by the Library of the City of Chicago, on the southwest corner of Lake and Dearborn streets.

*On leave of absence.

In 1892 it removed to the new college building erected by the University on Dearborn street between Twenty-fourth and Twenty-fifth streets for the Medical and Pharmaceutical Schools. Owing to the rapid growth of the Medical School, all of that building is now required for the courses in Medicine, and new quarters have accordingly been set apart for the School of Pharmacy in the recently acquired University building on the southeast corner of Lake and Dearborn streets, immediately opposite the location which the School had occupied during the first six years of its career. The space assigned to it will give the School of Pharmacy more convenient and ample facilities than ever.

A brief summary of the equipment and operations of this School from its beginning may be appropriate at this time. When its doors were opened in 1886 it had four laboratories. One of these was a special laboratory for systematic practical training in the work of preparing medicines in accordance with physicians' prescriptions. This "dispensing laboratory" was the first of its kind, and for some years continued to be the only one existing. Another of the four original laboratories of the School of Pharmacy of Northwestern University was devoted to Pharmacography, which had not before been taught in America by laboratory methods. The School has now seven laboratories: 1, the General Chemical Laboratory for the courses in Inorganic Analytical Chemistry; 2, the General Pharmaceutical Laboratory for the instruction and practice in the processes of production of Galenical and Chemical Preparations; 3, the Laboratory for Pharmaceutical Botany and Pharmacography; 4, the Laboratory for special Pharmaceutical Analytical Chemistry including the examination and valuation of drugs and medicinal preparations and other related work; 5, the Dispensing Laboratory for instruction and practice in the work of the dispensing table; 6, the Laboratory for Urine Analysis; and 7, the Laboratory for Bacteriology.

In the sixteen years of its existence the School of Pharmacy has attracted students from all the States and Territories

of the United States except two only, and the students in attendance in 1901 came from twenty-five different States. The first class in the fall of 1886 numbered sixty-two; the average annual attendance from that time to June, 1901, has been between two hundred and two hundred and fifty. The alumni now number over one thousand two hundred.

The Museum and Library of the School are exceptionally extensive and valuable, and are rapidly growing.

There are annually about three thousand six hundred students in attendance at the Pharmaceutical Schools of the United States, which are nearly seventy in number. The courses given to these students are principally: 1, the shorter course generally occupying two school years of six months each; and 2, a longer course fully occupying the students' time during two school years of nine months each. Of the total number of students completing the longer course (usually leading to the degree of Pharmaceutical Chemist) the School of Pharmacy of Northwestern University had one-fourth.

The teachers of the School of Pharmacy devote their whole time to the students of that School only. The laboratories and other instruction rooms are also for the exclusive use of its own classes. These conditions enable this School to adapt all its courses to the fullest extent to the special requirements of the practice of pharmacy.

THE SCHOOL YEAR.

The School Year begins in the third week of September and is divided into three terms of about three months each. The fall terms ends with the Christmas recess; the winter term begins immediately after the Christmas recess and ends in the first week of April; the spring term then begins and continues until the end of the University year in June.

ADMISSION.

Students entering for the degree of Graduate in Pharmacy must be at least eighteen years of age and possess a good general education, such as is obtainable in the best American pub-

lic schools. Students entering for the degree of Pharmaceutical Chemist must have a general education equivalent to two years of successful work in a good high school. Matriculants must submit to the Faculty satisfactory evidence showing what schools they have attended, the number of years in attendance, and the studies pursued. Blanks for this purpose will be furnished by the School. Students who do not present satisfactory evidence of sufficient preliminary education, and those who prefer to enter by examination, are examined.

COURSES AND DEGREES.

The course for the degree of Graduate in Pharmacy occupies two annual school sessions of six months each, from September to April, the graduating exercises being held in the second week of April. This course includes instruction in general chemistry, chemical analysis, pharmacy, botany, microscopy, pharmacognosy, dispensing, and analytical pharmaceutical chemistry, including drug assaying.

Students desiring to remain employed in drug stores during their college course are permitted to do so; such students are required to be in attendance at the College three days each week during nine months of each year. The course given to students thus partially employed in drug stores is the same in all respects as that given to those who devote their whole time to their school work.

The course for the degree of Pharmaceutical Chemist includes all of the work required for the other degree, together with additional work during the fall and winter terms of the second year and full work during the spring terms of both years. The additional instruction is devoted to more advanced work in quantitative inorganic and organic analysis, urine analysis, chemistry, pharmacy, botany, microscopy, bacteriology, and sanitary analysis.

COURSES OF INSTRUCTION.

FIRST YEAR.

FIRST TERM.

Metrology, Materia Pharmaceutica, and Pharmacy — Five hours weekly.

Physics, General Inorganic Chemistry, and the Chemistry of the Non-Metallic Elements—Four hours weekly.

Pharmaceutical Botany, with Laboratory work—Four hours weekly.

Laboratory Courses in Chemistry—Twelve hours weekly.

Laboratory Courses in Pharmacy—Six hours weekly.

Physiology—One hour weekly.

SECOND TERM.

Pharmacy; the Pharmacopœia; and Pharmaceutical Nomenclature—Five hours weekly.

Chemistry of the Metals—Four hours weekly.

Pharmaceutical Botany, with Laboratory Work—Four hours weekly.

Laboratory Courses in Chemistry—Twelve hours weekly.

Laboratory Courses in Pharmacy—Six hours weekly.

Physiology—One hour weekly.

THIRD TERM.

Pharmacy—Two hours weekly.

Chemistry—Two hours weekly.

Laboratory Courses in Chemistry; Inorganic Gravimetric Analysis—Sixteen hours weekly.

Laboratory Courses in Pharmacy—Eight hours weekly.

Bacteriology, Lectures and Laboratory Work—Eleven hours weekly.

SECOND YEAR.

FIRST TERM.

Pharmaceutical Chemistry—Four hours weekly.

Organic Chemistry—Three hours weekly.

Pharmacography, with Laboratory Work—Three hours weekly.

Materia Medica—One hour weekly.

Laboratory Courses in Pharmacy—Fourteen hours weekly. (This course may be taken *either* in the first or second term.)

Laboratory Course in Dispensing—Three hours weekly.

SECOND TERM.

Pharmacy—Four hours weekly.

Organic Chemistry—Three hours weekly.

Pharmacography, with Laboratory Work—Three hours weekly.

Materia Medica—One hour weekly.

Laboratory Courses in Analytical Pharmaceutical Chemistry, Assaying of Drugs and Preparations—Fourteen hours weekly. (This course may be taken in either the first or second term.)

Laboratory Course in Dispensing—Three hours weekly.

THIRD TERM.

Pharmacy—Two hours weekly.

Laboratory Courses in Organic Pharmaceutical Chemistry; Food and Sanitary Analysis—Sixteen hours weekly.

Urine Analysis—Eight hours weekly.

Laboratory Courses in the Production of Organic Pharmaceutical Chemicals—Eight hours weekly.

FEES AND EXPENSES.

The *Matriculation Fee*, payable only once, and before registration for the first course, is $5.00.

The *Diploma Fee*, payable not later than two weeks prior to graduation, is $10.00.

The *Tuition Fee* for the fall term is $40.00, for the winter term $40.00, and for the spring term $30.00. These fees are subject to discount when all dues are paid for two consecutive terms in advance.

The charge for *materials* consumed by the student in his laboratory work is $5.00 per term.

Each student is required to make a *deposit* of $5.00 before being assigned tables and apparatus in the laboratories. Students who may damage or destroy apparatus or other college property to the value of more than the amount of their deposits, will be required to make good the damage in full.

Text-books, note-books, laboratory aprons, towels, filter-paper, and other articles not included in the outfits of apparatus, or not returnable, are furnished to the students at cost. A coupon ticket costing $5.00 is used for this purpose. But any student may purchase these books and articles wherever he sees fit.

ROOM AND BOARD.

Very good board and room together can be secured near the school at from four to six dollars per week. Students may also secure rooms and board separately. Information in regard to these matters and addresses of reliable and satisfactory boarding-places and furnished rooms will be supplied

at the college office. Good accommodations are plentiful and satisfactory arrangements can be quickly made by each student immediately upon his arrival. It is wholly unnecessary and rarely advantageous to *secure board and room* in advance.

For further information and special circular relating to the School of Pharmacy, address Professor Oscar Oldberg, the Dean of the School, corner Lake and Dearborn Streets, Chicago, Illinois.

THE DENTAL SCHOOL.

CHICAGO.

FACULTY.

EDMUND JANES JAMES, PH.D., *President of the University.*

GREENE VARDIMAN BLACK, M.D., D.D.S., SC.D., LL.D., *Dean, Professor of Operative Dentistry, Pathology and Bacteriology.*

THOMAS LEWIS GILMER, M.D., D.D.S., *Professor of Oral Surgery.*

JOHN SAYRE MARSHALL, M.D., *Professor Emeritus of Oral Surgery.*

ELGIN MAWHINNEY, D.D.S., *Professor of Special Pathology, Materia Medica and Therapeutics.*

EDMUND NOYES, D.D.S., *Professor of Dental Jurisprudence and Ethics.*

WILLIAM EDWARD HARPER, D.D.S., *Professor of Operative Technics and Assistant Professor of Operative Dentistry. Secretary of the Faculty.*

JAMES HARRISON PROTHERO, D.D.S., *Professor of Prosthetic Technics Prosthetic Dentistry and Metallurgy.*

FREDERICK BOGUE NOYES, B.A., D.D.S., *Professor of Histology.*

TWING BROOKS WIGGIN, M.D., *Professor of Physiology and Pathology.*

VERNON JAMES HALL, PH.D., *Professor of Chemistry.*

GEORGE A. DORSEY, PH.D., *Professor of Comparative Anatomy.*

CHARLES LEWIS MIX, M.D., *Professor of Anatomy.*

MILAND A. KNAPP, D.D.S., *Professor of Orthodontia.*

D. WILLARD CRAIG, M.D., *Lecturer on Anæsthesia.*

FRED WILLIAM GETHRO, *Lecturer on Operative Technics.*

DEMONSTRATORS.

JAMES W. BIRKLAND, D.D.S.

GEORGE M. BROSNIHAN, D.D.S.

HERBERT MILTON CRAIG, D.D.S.

CHARLES H. CONVERSE, D.D.S.

ROBERT KEPLER DAVIS, D.D.S.

WM. CLAUDE ERCANBRACK, D.D.S.

BUELL HENLINE, D.D.S.

WILLIAM HENRY JORDAN, D.D.S.

ARTHUR INGLESBY KENNEDY, D.D.S.

JOHN S. LAIDLAW, D.D.S.

JOSEPH FRANCIS LUNAK, D.D.S.

GEORGE B. MACFARLANE, D.D.S.

OTTO C. MEVES, D.D.S.

MELVIN RAY NELSON, D.D.S.

WALTER J. PETRIE, D.D.S.

IRA BENSON SELLERY, D.D.S.

ADOLPH EMIL SCHNEIDER, D.D.S.
LEONARD JULIUS SCHNEIDER, D.D.S.
A. CLARENCE SCHOCH, D.D.S.
MCGUIRE SNYDER, D.D.S.
WM. ALBERT THOMAS, D.D.S.
MRS. EDNA M. THOMPSON, D.D.S.
THOS. OTTAWAY TREEN, D.D.S.
BENJAMIN WALDBERG, D.D.S.
EUGENE S. WILLARD, D.D.S.

QUIZ MASTERS.

ARTHUR D. BLACK, M.D., D.D.S.
GEORGE M. BROSNIHAN, D.D.S.
CHARLES H. CONVERSE, D.D.S.
HERBERT MILTON CRAIG, D.D.S.
WILLIAM HENRY JORDAN, D.D.S.
WALTER J. PETRIE, D.D.S.
ADOLPH EMIL SCHNEIDER, D.D.S.
LEONARD JULIUS SCHNEIDER, D.D.S.
A. CLARENCE SCHOCH, D.D.S.
EUGENE S. WILLARD, D.D.S.

The Dental School was founded by men who believed that the practice of dentistry and that of medicine are so closely related as to make it necessary that students of dentistry should have thorough instruction in certain branches of medical science. The desire is to raise the standard of dental education as rapidly as is consistent with the means and ability of the majority of students who desire to be properly educated for successful practice. The course of instruction is progressive, and extends over three years. Beginning with the matriculations for October, 1903, the course of instruction will be extended to four years.

REQUIREMENTS FOR ADMISSION.

In recent years a radical change has been made by dental schools in the methods of examination for admission. Formerly the examinations were made by the officers of the Dental Schools, but the Faculties' Association, at the Omaha meeting in 1898, passed a rule requiring that examinations be made by the legally constituted officers of instruction of the locality in which the applicant resides.

Therefore students desiring to matriculate in this school must bring with them credentials signed by a county or state superintendent of schools, a city superintendent of schools, or a principal of a high school.

These credentials must show the applicant to have progressed in his studies to the grade giving entrance to the third

year of the high school in order to entitle him to matriculate in this school for the term beginning in October, 1902. These credentials will not be required of applicants who present diplomas from high schools or colleges.

ADMISSION TO ADVANCED STANDING.

Students who present certificates for courses taken in other recognized schools which cover subjects required in this school will be accredited with such studies if satisfactory to the professors in the respective departments.

THE NEW BUILDING.

In October next the Dental School will move from its present quarters, on Franklin street, to the new building being prepared for its permanent home by the University. This new building is on the southeast corner of Lake and Dearborn streets. (See p. 226) To the Dental School will be assigned the upper floors, which will give it the best light and accommodations. This portion will be arranged and equipped especially for the purpose of teaching dentistry and will be supplied with modern equipment for that purpose.

The Clinic Room, particularly, will be of the best construction and design. It will occupy the upper floor, will be fireproof, will have free light on three sides and abundant skylight. It will be one room, with arched ceiling sufficient to accommodate the great clinic and the offices connected with it. This will be reached by elevator from the entrance on Dearborn street. The situation and surroundings are especially good. The location is within the down-town loop of the elevated railways and is in close touch with all of the principal surface and elevated lines. It is also within convenient walking distance of the excellent boarding-house district of the North side.

COURSE OF STUDY.

FIRST YEAR.

Anatomy, two recitations or lectures each week during term.
Anatomy, dissecting the median half of the human body.
Physiology, Nervous System, two lectures each week.

Histology, one lecture each week.
Histology, laboratory, two hours each week.
Chemistry, lectures and class work, two hours each week.
Operative Technics, three half-days each week.
Prosthetic Technics, three half-days each week.
Prosthetic Dentistry and Metallurgy, one lecture each week.
Quiz and study hours.

SECOND YEAR.

Anatomy, two recitations or lectures each week during term.
Anatomy, dissecting the median half of the human body.
Physiology, Nervous System, one lecture each week.
General Materia Medica and Therapeutics, one lecture each week
Pathology, general, one lecture each week.
Chemistry, laboratory, three hours each week.
Histology, general and dental, one lecture each week.
Histology, laboratory, two hours each week.
Prosthetic Dentistry, one lecture each week.
Operative Dentistry, two lectures each week.
Prosthetic Dentistry, laboratory and infirmary practice.
Operative Dentistry, infirmary practice.
Quiz and study hours.

THIRD YEAR.

Dental Pathology, special, two lectures each week.
Oral Surgery, one lecture each week.
Oral Surgery Clinics, two hours each week.
Orthodontia, one lecture each week.
Orthodontia Clinics, three hours each week.
Dental Jurisprudence and Ethics, about ten lectures.
Prosthetic Dentistry, one lecture each week.
Prosthetic Dentistry, infirmary practice.
Operative Dentistry and Bacteriology, two lectures each week.
Bacteriological Laboratory, three hours each week.
Operative Dentistry, infirmary practice.
Quiz and study hours.

METHODS OF INSTRUCTION.

Dental Technics.—Two special courses are given for manual training in the mechanical operations of dentistry, and a study of the anatomy and physical structure of the teeth.

Operative Technics.—In operative technics the practical study of dental anatomy occupies the first part of the course.

In this the student is made familiar with dental nomenclature as it relates to the teeth directly, and with the anatomical forms of every part of each human tooth. Afterward, dissections of the teeth are made and the anatomical forms of the pulp-chambers and root-canals are studied. Then follows a short course of study of the forms of the cutting instruments used in the preparation of cavities in teeth. This includes the philosophy of instrument forms and their adaptation to their special work. Following this, exercises are introduced in the preparation of cavities in natural teeth and a study of cavity forms and cavity nomenclature. Students receive a drill in the use and care of instruments, instrument grasps, and the adaptation of special instruments to specific purposes. The exercises in the use and adaptation of the various filling materials are introduced together with exercises in filling root-canals. This course is intended to prepare the student to begin intelligently his clinical work in operative dentistry. The course occupies two and one-half hours per day, three days a week, during the first year.

Prosthetic Technics.—Syllabus.—Consists of taking impressions of the mouth, and the practical use of all the ordinary materials employed for that purpose; in the making and repairing of metal plates; and in the making of the simpler forms of shell crowns, followed by the preparation of porcelain and band crowns for the anterior teeth, and porcelain-faced crowns for bicuspids and molars, carefully shaped to the forms of natural teeth, and the assembling of crowns to make bridges. The operations are taken up consecutively, and every student is required to perform each one acceptably before proceeding to the next.

General Anatomy, in charge of Professor Eckley, is begun in the first year and continued through the first and second years. The instruction is by recitations, quizzes, demonstrations, and lectures. The classes are subdivided into groups. Each of these groups is under a competent quiz master, who conducts recitations on lessons previously assigned. In the museum there are dissected specimens for the use of

students. In the anatomical laboratory students are required, during two years, to dissect the median half of the body.

Physiology includes two lectures per week during the first year, and one lecture each week during the second year, under the direction of Professor Wiggin.

Dental Histology.—During the course in dental histology, practical inferences to be drawn from the study duly emphasized.

Recent developments in the study of the enamel have shown that a knowledge of the histology of this important structure is fundamental to the greatest success as an operator. It receives therefore special attention.

The dentine, dental pulp and mucous membrane of the mouth receive due attention. The student is made thoroughly familiar with the structure of the peridental membrane, the direction of its fibers upon various parts of the tooth, and their mode of attachment and reattachment, and blood and nerve supply. The periosteum and peridental membranes are compared and differences shown.

Photomicrography and Lantern Slides.—This school is now well equipped with photomicrographs and lantern slides made mostly from our own objects for use in class-work. In operative dentistry, comparative anatomy, orthodontia, oral surgery and other departments of study, the fullest practical use is being made of this excellent means of illustrative teaching.

Comparative Dental Anatomy consists of one lecture each week, followed by two hours in the museum, under Professor Dorsey. In the museum, the class is divided into convenient sections for the examination and study of specimens.

Chemistry.—The value to be derived from a good understanding of the science of chemistry as associated with dentistry cannot be overestimated. Elementary Chemistry, which continues throughout the first year, is taught entirely by lectures. These lectures are fully illustrated by experiments before the class. Particular attention is given to the metals and their ores, specimens of which are kept constantly before the class. In this course it is found most practicable to follow

some standard text-book, the plan being to assign work in advance of the lectures, so that when the student enters the lecture he has some preparation on the subject under discussion. First-year students are required to attend two lectures a week.

Upon the opening of the second-year course the subject of Qualitative Analysis is taken up in the Chemical Laboratory, including abundant practice upon unknown mixtures and in the analysis of alloys, cement, teeth, etc.

Following this a thorough study of the various dental cements is made, including the testing of cements for injurious quantities of arsenic.

The subject of alloys is next taken up, with particular attention to those used in dentistry. More than two hundred alloys are made and examined, thus giving the student a thorough insight into the subject.

A course in solder-making is given, including the preparation of tin, gold, and silver solders. Gold and silver scraps are refined and used in making solders, or alloyed and rolled into plate.

Second-year students are required to spend three hours each week in the laboratory throughout the year.

Before entering the Chemical Laboratory each student is required to make a deposit of $5.00 to cover chemicals used, breakage, and special printed directions furnished each student. It has been found by experience that the above deposit covers the average expenses of the student throughout the year. If, however, the student exceeds the deposit, he will be expected to pay the excess at the end of the course.

Materia Medica, studied in the second year, occupies one lecture each week under Professor MaWhinney. It is a separate course from that given in the third year, and includes a description of drugs, classified in accordance with their therapeutic effects and uses. The poisonous properties of drugs and their antidotes will be given, together with their therapeutic doses, prescription writing, and their curative employment. Especial attention is given to those drugs employed

in dentistry, the descriptions of which are very full and complete, giving the origin, modes of preparation, physical properties and special forms of preparation for use. The poisonous properties are illustrated by experiments upon animals, as far as that is practicable, showing the special features of the poisonous effects of each and the manner of use and the results of the employment of antidotes.

There is also a very brief course in the second year in Special Pathology and Therapeutics, giving the subject-matter in outline as a preparation for the more complete studies of the third year.

Special Pathology and Therapeutics is presented in the third year by Professor MaWhinney, in two lectures each week during the term.

Bacteriology forms an important part of the third-year course given by Professor Black. It is presented especially in its relations to dental pathology and dental practice. The student is made familiar with the general principles of the subject, with the nature of these growths, the place they occupy in nature, their physiological processes, how and where they grow, how they live, what they do, and how they produce disease. The difference between disease-producing and non-disease-producing organisms is pointed out.

Orthodontia is taught both didactically and clinically. The didactic course consists of one lecture each week through the first semester, in which the subject is taken up systematically, proceeding from the normal occlusion to explain the abnormal arrangements and faulty occlusion of the teeth and of the irregular forms of the dental arch. These derangements of alignment of the teeth and the malforms of the dental arch are so classified as materially to assist the student in an understanding of them, and the means and mechanical arrangements of fixtures to bring the several classes of irregularities into normal form, or to the best possible form in individual cases in which the true normal cannot be successfully reached.

Oral Surgery.—Professor Gilmer, assisted by Drs. D.

Willard Craig, A. D. Black and Mrs. Edna M. Thompson, has charge of the department of Oral Surgery. One lecture per week, one quiz per week and a clinic of one and a half to two hours per week is given during the term. The course embraces instruction in the general principles of surgery and their practical application to pathological conditions occurring about the mouth and face, giving special attention to diagnosis and recognition of conditions requiring surgical interference.

The whole clinical course is an exemplification of aseptic and antiseptic surgery in its adaptation to, and uses in, the various phases of the surgical treatment of both accident and deliberate operative cases.

Anæsthesia is presented in detail by Dr. Craig in lectures, experimentally upon animals and in clinical illustration, embracing all of the agents used for the mitigation of pain. Nitrous oxide is exhibited daily in the extracting clinic, and ether and chloroform in the surgical clinic.

Professional Ethics and Dental Jurisprudence is presented by Professor Noyes, and occupies one lecture each week during the first semester. It consists of a brief statement of the more important principles of morals, followed by an exposition of the special duties and moral obligations of professional men in respect to their patients, toward their fellow practitioners, and toward the public, for the upholding of the honor and dignity of the profession.

The lectures on Jurisprudence, in the main, follow the text-book by Dr. Rehfuss. It includes qualifications and duties of expert witnesses, the importance of dental records, etc., as a means of identification, the limitations of dental practice, the qualifications required, and the liabilities incurred by those who administer anæsthetics, the penalties that may be suffered, and the defense to be made in case of real, or supposed, malpractice, and the liability in case of infection from instruments. The requirements of the Illinois law and the laws of other states respecting the practice of dentistry, the steps necessary to become legal practitioners, the

duties and liabilities of dentists with reference to the law, and other topics are considered.

Operative Dentistry.—The senior course in operative dentistry is given by Professor Black, assisted by Dr. Willard. The didactic course consists of two lectures each week for the greater part of the year. It consists in a brief review of the work done in the junior year, in the preparation of cavities and other manipulative procedures; but more essentially in a study of dental caries, the conditions of susceptibility and immunity to caries, its modes of attack, the means of its prevention, and the management of filling operations for the prevention of its recurrence; also of the conditions under which extension of cavities for the prevention of the recurrence of caries should or should not be undertaken, the use of temporary fillings, especially for children, and the conditions for permanent operations for children; the reasons for special methods in different classes of cases, and the general adaptation of operative procedures as curative and preventive measures, etc. It is intended that this shall be an advanced course in the general management of operative procedures, the foundation for which has been laid in the freshman and junior years.

PRACTICE IN THE INFIRMARY.

The Operative Infirmary Clinic is under the direct supervision of Professor Black. The student begins this work with the beginning of his junior year, and continues it to the end of the senior year, the time given to it being much greater in the senior year. It is the intention that this infirmary practice shall be as much like an actual dental practice as it is possible to make it. The development of the ability to obtain and hold a practice, or that professional comity between an operator and his patients essential to personal success, is regarded as parallel in its importance to the future of the student with the development of manipulative ability.

This practice, however, is, and must be, under the direction of the demonstrators in all of its details, from the primary

examination upon the entrance of the patient to the clinic-room to its completion.

The demonstrating force is assigned to sections of the clinic-room, and by a system of rotation each student comes successively under the direction of each demonstrator. The number of demonstrators is ample to give a large amount of personal attention to each individual student in his section, consulting with him, directing his operations in detail and demonstrating points that may be new or difficult as they present themselves. This personal teaching is made a special feature of this school, and great attention is given by the management to the drill of the demonstrating force, in order that they may understand well their especial duties to the students and the methods of instruction adopted and maintained in the school, and that their direction and actions may be in harmony throughout their clinical teaching.

In this clinic, embracing several hundred patients per day, students have the opportunity to see and to study a wonderful variety of cases. They are made up of every variety of pathological condition, from the simplest deviation from the normal to the most grave conditions.

Summer Clinics.—The clinic-rooms are open all the year for the benefit of students who may wish to have greater experience in clinical practice under competent supervision. The number of demonstrators during the summer is ample for the class that may choose to remain with the school. The clinical material is abundant and a most excellent opportunity is afforded for clinical practice.

REQUIREMENTS FOR GRADUATION.

The degree of Doctor of Dental Surgery is conferred on such students as complete the course of instruction, having attended three courses of lectures and passed satisfactory examinations in all the subjects of study. To be admitted to the degree, the student must be twenty-one years of age, and possess a good moral character. He must have paid all fees in full.

The monthly reports of the quizzes and the infirmary practice of the students will bear very materially upon their standing at all examinations.

EXPENSES.

The fees are payable in advance.

FIRST YEAR.

Matriculation Fee	$ 5.00
General Ticket	100.00
Histological Laboratory Ticket	5.00
Dissecting Fee (1 part)	10.00

SECOND YEAR.

Matriculation Fee	$ 5.00
General Ticket	100.00
Histological Laboratory Ticket	5.00
Dissecting Fee (1 part)	10.00

THIRD YEAR.

Matriculation Fee	$ 5.00
General Ticket	100.00
Final Examination Fee	20.00

Where it is so desired, the tuition fee may be divided into two parts, but in such cases an additional fee of $5.00 is charged. Where the fee is so divided, $65.00 must be paid on or before the 20th day of October, 1902, and $60.00 must be paid on or before the 20th day of January, 1903.

These conditions cannot be modified except upon the written consent of the proper officials of the University.

A fee of five dollars must be deposited to cover chemicals and breakage in the Chemical Laboratory.

Good board and rooms convenient to the school can be obtained at prices varying from three dollars and a half to five dollars a week, according to the accommodations; also, vacant rooms, without board, furnished or unfurnished, can be obtained at from six dollars to ten dollars per month.

For further information and special circular relating to the Dental School, address Wm. E. Harper, D.D.S., corner Lake and Dearborn Streets, Chicago, Illinois.

THE WOMAN'S MEDICAL SCHOOL.

CHICAGO.

FACULTY.

EDMUND JANES JAMES, Ph.D., PRESIDENT.

ELIZA HANNAH ROOT, M.D., DEAN, *Professor of Obstetrics and Clinical Obstetrics.*

ISAAC NEWTON DANFORTH, A.M., M.D., DEAN *Emeritus, and Professor of Clinical Medicine.*

DANIEL ROBERTS BROWER, A.M., M.D., LL.D., *Professor of Mental and Nervous Diseases.*

EUGENE SOLOMON TALBOT, M.D., D.D.S., *Professor of Oral Surgery.*

JOSEPH ZEISLER, M.D., *Professor of Dermatology.*

HENRY TRUMAN BYFORD, A.M., M.D., *Professor of Clinical Gynecology.*

RACHEL HICKEY CARR, M.D., *Professor of Operative Surgery.*

LEONARD LAWSHE SKELTON, A.M., M.D., *Professor of Physiology and of Clinical Medicine.*

MARY M. BARTELME, LL.B., *Professor of Medical Jurisprudence.*

ISAAC ARTHUR ABT, M.D., *Professor of Diseases of Children.*

WILLIAM EVANS CASSELBERRY, M.D., *Professor of Laryngology and Climatology.*

ARTHUR ROBIN EDWARDS, A.M., M.D., *Professor of the Principles and Practice of Medicine, and Clinical Medicine.*

VERNON JAMES HALL, M.S., Ph.D., *Professor of Chemistry.*

ALICE HAMILTON, M.D., *Professor of Pathology and Director of the Histological and Pathological Laboratories.*

JAMES BRYAN HERRICK, A.B., M.D., *Professor of Clinical Medicine.*

OSCAR OLDBERG, PHARM.D., *Professor of Pharmacy.*

JOHN RIDLON, A.M., M.D., SECRETARY, *Professor of Orthopedic Surgery.*

BERTHA VAN HOOSEN, A.M., M.D., *Professor of Embryology and Gynecology.*

FRANK ALLPORT, M.D., *Professor of Ophthalmology and Otology.*

JEAN MOTTRAM COOKE, M.D., *Professor of Bacteriology and Histology.*

JOSEPHINE AGNES JACKSON, M.D., *Professor of Materia Medica, Assistant Professor of Medicine and Associate Professor of Obstetrics.*

Frederick Atwood Besley, M.D., *Professor of Surgery.*
William Edward Schroeder, M.D., *Professor of Surgery.*
Charles Louis Mix, A.B., M.D., *Professor of Anatomy.*
John B. Murphy, M.D., *Professor of Clinical Surgery.*
Elizabeth Trout, M.D., *Assistant Professor of Nervous Diseases.*
August F. Lemke, M.D., *Assistant Professor of Clinical Medicine.*
Helga Ruud, M.D., *Assistant Professor in Clinical Obstetrics.*
Rose Willard, M.D., *Assistant Professor in Gynecology.*
James Cornelius Gill, M.D., *Assistant Professor Diseases of the Nervous System.*
Elizabeth H. Dunn, A.M., M.D., *Assistant Professor of Diseases of the Nervous System, Instructor in Physiology and Director of Physiological Laboratory.*
Caroline Hayward, M.D., *Assistant Professor of Ophthalmology and Otology.*
Josephine Estabrook Young, M.D., *Associate Professor of Gynecology.*
George E. Shambaugh, A.M., M.D., *Instructor in Laryngology.*
May Michael, M.D., *Assistant in the Department of Diseases of Children.*
Sara Jansen, S.B., *Instructor in Biology.*
Mary Dowiatt, M.D., *Clinical Assistant to the Chair of Dermatology.*
Grace Osborne, M.D., *Lecturer on Hygiene.*
Ingeborg Rasmussen, M.D., *Instructor in Clinical Laryngology and Dispensary Purveyor,*
Mary O'Brien Porter, M.D., *Instructor in Clinical Medicine.*
Mary M. S. Johnstone, A.B., M.D., *Instructor in Clinical Medicine.*
Kate Levy, M.D., *Instructor in Clinical Medicine.*
Jane Kelsey Todd, B.S., M.D., *Clinical Instructor in Obstetrics.*
Mary Gilruth McEwen, M.D., *Instructor in Clinical Gynecology and Lecturer on Materia Medica.*
Eva May Reynolds, LL.B., *Assistant in Medical Jurisprudence.*
Anna Ellsworth Blount, B.S., M.D., *Instructor in Physiology.*
Elizabeth Neil Brady, M.D., *Instructor in Clinical Pathology.*
Henry J. Brugge, M.D., *Instructor in Clinical Surgery,*
William Arthur O'Brien, *Instructor in Clinical Surgery.*
Ella Cleverdon, M.D., *Instructor in Clinical Gynecology.*
George B. Dyche, M.D., *Instructor in Practice.*
Henrietta M. Farquharson, M.D., *Assistant in Clinical Gynecology.*
Julius Grinker, M.D., *Demonstrator in Anatomy.*
Emma Catherine Hackett, M.D., *Assistant in Clinical Gynecology and Demonstrator in Anatomy.*
Allen B. Kanavel, M.D., *Instructor in Surgery.*
Anna Ross Lapham, M.S., M.D., *Instructor in Clinical Surgery.*

Susanne Orton, A.B., M.D., *Instructor in Clinical Surgery.*
Violet H. Palmer, M.D., *Clinical Assistant to the Chair of Dermatology.*
Alice F. Pitkin, M.D., *Assistant in Orthopedic Surgery.*
Marie Stock Schmidt, M.D., *Assistant in Clinical Gynecology.*
Frances Todd Vanvelsor, M.D., *Instructor in Clinical Medicine.*
Elva A. Wright, M.S., M.D., *Instructor in Embryology.*

The Woman's Medical School was founded in 1870, under the name of the "Woman's Hospital Medical College." Afterward it was known as the "Woman's Medical College of Chicago." During the year 1892 it became a part of the University, known as "Northwestern University Woman's Medical School." It is conducted as a regular school of medicine for the education of women only. By the action of the University authorities the former graduates of the Woman's Medical College have been made alumnæ of the University.

The statements made below as to conditions, fees, and rules, relate to the year ending June 21, 1902, only, and are applicable to all students, without regard to the time of a first or any subsequent matriculation.

The school year consists of four terms of twelve weeks each, commencing on July 1, October 1, January 1, and April 1. Students may enter at the beginning of any term, but time credit will not be given for more than three terms in any one year, and at least forty-five months must elapse from matriculation to graduation. Final examinations will be held at the end of each term and credit will be given for all work completed. The required work of each year must be completed before the student can advance to the work of the next year.

REQUIREMENTS FOR ADMISSION.

The number of regular students is limited to one hundred; and so far as it is practicable these are equally divided into four classes, preference being given to those passing the best examination.

Applicants for admission must present diplomas or certificates from colleges, schools of science, accredited academies,

or high schools, or sustain an examination in the subjects which are required for admission to the College of Liberal Arts of this University. Those desiring full information in regard to these examinations are requested to correspond with the Secretary of the Medical Faculty.

Students conditioned in entrance requirements must make up these conditions before the beginning of the second year. If they do not, they cannot be admitted as regular students to the second-year course.

Exceptions. Special students not candidates for the degree of doctor of medicine will be admitted without the presentation of diplomas and without the examinations mentioned above.

PREPARATORY MEDICAL COURSE.

Many colleges and universities offer either definitely arranged courses preparatory to medicine, or a wide range of elective studies in Chemistry, Physics, and the Biological Sciences.

Students who take this course are strongly advised to pursue the following branches:

Physics, - -	150 hours	Chemistry, - -	200 hours
General Biology,	100 hours	Botany, - -	100 hours
Zoölogy, - -	100 hours	German, - -	150 hours

At least one-half of the time in each of these branches, except in German, should be devoted to laboratory work. If they can do so they should also take histology, embryology, advanced physiology, and human osteology. For this work, if it is taken in accredited colleges, credit can be given on the work of the first year of medicine.

ADMISSION TO ADVANCED STANDING.

Students who have pursued in another institution the following First Year Medical Course, or any part of it, will be admitted to advanced standing in the subject covered by their official credentials. The professors of the several departments represented will pass upon the evidence presented by the student, and have the power to require an examination if the certificates be not satisfactory:

Anatomy, 150 Recitation Periods, including 50 Periods of Laboratory work.

Physiology, 128 Recitation Periods, including 30 Periods of Laboratory work.

Chemistry, 200 Recitation Periods, including 100 Periods of Laboratory work.

Histology, 100 Recitation Periods, including 60 Periods of Laboratory work.

Embryology, 32 Recitation Periods, including 16 Periods of Laboratory work.

Pharmacology, 32 Recitation Periods, including 16 Periods of Laboratory work.

Students from other medical schools who apply for advanced standing must pass examinations in all of the branches which they do not take in this school, or furnish to the secretary certificates of having done satisfactory work in some other reputable college for one, two, or three years, according as they wish to enter the second, third or fourth year class in this school.

Candidates for advanced standing must present their certificates to the respective professors at the time of the October examinations or earlier.

DEGREES.

The relation of the Baccalaureate and Master's degrees to the degree of Doctor of Medicine:

Students who have obtained in the College of Liberal Arts of this University one hundred semester hours of credit can elect the remainder of their course in this Medical School. This will enable such students to obtain both the A.B. or B.S. and M.D. degrees in seven instead of eight years.

Medical students who have a Bachelor's degree in Arts, Science, or Letters, can obtain a Master's degree when they graduate in medicine by complying with the requirements stated on page 135, General Catalogue.

Students who take, in the College of Liberal Arts of this University, Chemistry A and B, Zoölogy A, C, D, and E, will be given credit in the Medical School for Chemistry a, b,

and c; Physiology a, b, c; Histology and Embryology a, b, c, d, e.

Students who complete this work in the College of Liberal Arts during the first three years of their course there can then enter the Medical School and obtain the degrees of A.B or B.S. and M.D. in six years, or if they enter the Medical School at the end of their senior year, they can complete both courses in seven years.

Instruction is given by *Recitations* for which the student prepares herself by the careful study of an assigned chapter from a text-book; by *Laboratory Exercises* in which the student performs for herself various experiments under the supervision of laboratory assistants; *Demonstrations* in which the professor performs for the whole class or for a section of the class some experiment not well fitted for laboratory exercise, lecturing during the progress of the demonstration; by *Illustrated Lectures*, supplementing the standard text-book; by *Colloquia* or *Conferences* in which students and professor informally discuss announced topics.

The greatest care has been taken to so arrange the course that the studies of the first year shall prepare the student for those which are to follow in the second year and that the first two years which comprise the laboratory courses shall make a broad and substantial foundation for the clinical courses and hospital practice for the last two years.

The studies of the whole course are grouped into departments, the work of each department being graded from the more general and fundamental to the more specialized and advanced. The work in each department is under the complete supervision of the head of the department and is thus unified, and as complete as the time allotted to it will permit.

The work in each department is planned with reference to the work done in all other departments and the greatest care is taken that the work of the different departments shall be so correlated that the student in taking up the work of a new subject shall find herself prepared for that work by the work done in other departments.

The classes are limited in size, which is a matter of very great advantage to a student, giving her the privilege of the personal instruction of the head of each department in all recitations, laboratory and conference courses. The sections of the class are sufficiently small to give to each student an opportunity to perform for herself every step in the technique of all laboratory and clinical courses, having the advantage of the personal supervision of the head of the department or of an experienced demonstrator throughout these courses.

FIVE YEAR COURSE.

Students are advised to take the following courses in the College of Liberal Arts of the University preparatory to taking those of the second, third and fourth years in the Medical School. In addition to these prescribed courses, others to the amount of fifteen hours per week can be selected from the numerous electives which are offered by the College of Liberal Arts.

Chemistry A and Zoölogy B should be taken the first year. Physics A, Zoölogy C and D, and Chemistry B the second year.

CHEMISTRY.

A—*General Chemistry.* 4 hours.

Section I. Tuesdays, Wednesdays, Thursdays, 1:30–4.
Section II. Mondays, Fridays, 1:30–4.
Tuesdays, Thursdays, 1:30–2:30.

Professor YOUNG and Mr. GLOSS.

Lectures and laboratory work and introduction to Qualitative Analysis.

B—*Qualitative Analysis continued and Organic Chemistry.* 4 hours.

Mondays, Fridays, 1:30–4; Wednesdays, 1:30–4:30.

Professor YOUNG.

Lectures, text and laboratory work.
Course B open to those who have completed A.

PHYSICS.

A—*General Physics.* 4 hours.

Lectures on Mondays, Wednesdays, Fridays, 11.
See below for Laboratory hours.

Professor CREW.

FIRST SEMESTER.—General properties of Matter, Sound, Heat.

SECOND SEMESTER.—Electricity, Magnetism, Light.

Each week's work consists of two experimental lectures, one recitation, and one laboratory exercise. Ames's "Theory of Physics" is used as a text-book.

This course is intended for beginners. It requires no mathematics beyond that necessary for entrance. It is recommended as a first-year or second-year study to those contemplating the pursuit of any pure science, engineering, or medicine.

ZOÖLOGY.

A—*General Biology.* 4 hours.

Lectures, Tuesdays, Thursdays, 9.
Laboratory hours to be arranged between 9 and 12, Tuesdays, Wednesdays, Thursdays, Fridays.

Professor LOCY and Mr. HOWARD.

A comparative study of living organisms as a whole, forming an introduction to the study of vital activities. In the laboratory the student acquires a knowledge of methods of study, and is taught to observe, to verify and record his observations. A general survey of the properties of living matter is followed by a study of a few selected types of invertebrate animals, beginning with the simplest and proceeding to the more complex. Parker's "Elementary Biology" and Marshall and Hurst's "Practical Zoölogy" are used as handbooks, and these are pusplemented by lectures. In the lectures the physiological side receives most attention.

During the second semester a large part of the time is devoted to study of the development of animals, using eggs of fishes, amphibia and the chick. This course is open to all students, and is required of those intending to take either Botany or Zoölogy as a major subject. A knowledge of elementary physics and chemistry is very desirable for all students entering this or any of the following courses.

C—*Cytology and Histology.* 3 hours.

Lectures or recitations, Wednesdays 2. Laboratory hours to be arranged.

Dr. HILL.

Anatomy and physiology of the cell, microscopical structure of the elementary animal tissues, and principles and practice of the general methods of microscopical technique. Wilson's "The Cell in Development and Inheritance" forms the basis of the work on the cell. Piersol's Histology is the text-book on this subject.

N. B.—Zoölogy C must be preceded by Zoölogy A or its equivalent, except that permission will be given to take the two courses concurrently.

D—Comparative Anatomy and Physiology of Vertebrates.
4 hours.

Lectures, Wednesdays, Fridays, 9. Laboratory work to be arranged on Tuesdays, Wednesdays, Thursdays, Fridays, 9–12.

Professor LOCY and Mr. HOWARD.

FIRST SEMESTER.—Study of Selected Vertebrate Types. The recitations and lectures will be based on Wiedersheim's "Comparative Anatomy of Vertebrates."

SECOND SEMESTER.—Physiology accompanied by laboratory work. Hall's Physiology is used as a text-book.

[NOTE.—In alternate years, the work of the second semester will be on the Development of Animals instead of Physiology, as indicated above.]

E—The Central Nervous System and its Terminal Organs.
1 hour.

The Structure and Evolution of Sense Organs.

Lectures, Tuesdays, 4. One hour, or accompanied with three hours' laboratory work, two hours.

Professor LOCY.

Comparative Structure of the Central Nervous System, with discussions on some of its physiological activities.

Lectures and demonstrations, adapted to those taking, or about to take, Psychology, and to others who wish to become acquainted with the structure and general physiology of the nervous system.

COURSE OF STUDY.*

I. DEPARTMENT OF ANATOMY.

Professor Charles Louis Mix, A.M., M.D., *Instructor in Anatomy.*
Emma Catherine Hackett, M.D., *Demonstrator.*
Julius Grinker, M.D., *Demonstrator.*

It is the aim of the anatomical department to make the instruction offered as purely objective as possible. The laboratory therefore displaces the lecture-room in every course offered except the one in applied anatomy in which lectures are given. Recitations on the work done in the laboratories are sufficiently numerous to elucidate all anatomical questions. Instruction is largely personal, the classes being divided into sections in both the dissecting and recitation rooms. Moreover the sections are so arranged that a given student invariably recites on the parts she is dissecting, and not upon some part as yet unseen.

The following courses are offered and required:

FRESHMAN YEAR.

(a) Human Osteology. Three recitations and six hours of laboratory work each week, October and November.

(b) Human Dissections. Three recitations and nine hours of laboratory work each week, December to March, inclusive. This course comprises the dissection of both the arm and the leg, and a satisfactory demonstration before the instructor in charge of all important anatomical points. The Freshman class is divided into Section I and Section II. Section I dissects the upper extremity and is quizzed upon it carefully, during December and January; meanwhile Section II dissects the lower extremity. Section I dissects the lower extremity during February and March, while Section II dissects and is quizzed upon the upper extremity.

(c) The Organs of Special Sense and the Digestive System. Three recitations each week, and the dissection of the eye of an ox, and the larynx of a sheep. April to June.

SOPHOMORE YEAR.

(a) The gross and microscopic anatomy of the Human Brain and Spinal Cord. Three recitations and six hours of laboratory work each week, during October and November. Sections of the cord in its four chief

*The Faculty reserves the right to alter or amend the courses of study if in their judgment it is desirable.

regions, of the open and closed medulla, and of the pons, are carefully studied with the microscope. The brain is also dissected painstakingly, four students being assigned to a brain, so that all points are seen. Drawings are required at every exercise.

b) Human Dissection of the Head and Neck, and of the Thoracic and Pelvic Viscera. Three recitations and nine hours of laboratory work are required each week. The Sophomore class is divided into Sections I and II. While Section I dissects the head and neck and recites upon the work done during December and January, Section II dissects the viscera of the thoracic and abdominal cavities and recites about them. During February and March the courses are again practically repeated, the sections being changed, Section I being given the visceral anatomy, and Section II the anatomy of the head and neck.

(c) Applied Surgical and Medical Anatomy. This is essentially a course of demonstration and is necessarily a lecture course, consisting of three lectures each week during April, May, and the first half of June.

II. DEPARTMENT OF CHEMISTRY.

Professor Vernon James Hall.

The course in Chemistry is designed to teach the elements of the science, and to illustrate those facts in Chemistry which have an important bearing upon medicine.

Freshman Course.—The first year's course consists of six hours each week in the laboratory, supplemented by one hour each week in the lecture-room. This course treats first of General Chemistry. Long's Experimental and Analytical Chemistry is used as a text book and the student is required to perform individually the experiments given in this book, and to keep full notes on all work done. Upon the completion of general Chemistry the subject of Qualitative Analysis is taken up and practice is given upon unknown mixtures. Twenty-five or more solutions and solids are analyzed by each student, involving examinations for bases and acids. The last two weeks in the year are spent in the study of the theory and construction of the spectroscope and the application of it to Qualitative Analysis. Here work is done first upon known and then upon unknown compounds of the Alkali and Alkaline earth metals, and the student makes a plate showing the results of the work.

Sophomore Course.—This course consists of six hours each week in the laboratory, supplemented by one hour per week in lecture. At

the beginning of the year four weeks are spent on Toxicology. The student is taught to make examinations in the presence of organic substances for poisonous quantities of alkalies and acids and for strychnine, morphine, poisonous metal, etc. Several quantitative determinations of arsenic are required in the course. Lecture notes are given and followed. The remainder of the year is spent in Physiological Chemistry, with a special work upon sanitary problems. Long's Physiological Chemistry and Urine Analysis is used as a text book, and the student is required to perform and draw conclusions from all experiments in this book, and to keep notes. Special emphasis is placed upon the examination of blood with the spectroscope, the hæmoglobinometer and the corpuscle counting apparatus, and upon the analysis of bone, saliva, bile, stomach contents, etc. In the course of the work, when the subjects of certain foods is reached in the text, the student is given more advanced instruction than common in this important field of modern research. Practical analyses of human and cow's milk, water, bread, butter, etc., are made. Much of the material worked on is sent to the laboratory from outside sources, and the student submits a report of the analyses.

During eight weeks of the year two recitations a week are required on Organic Chemistry.

During the last eight weeks of the year urine analysis is taken up and qualitative and quantitative methods studied. Complete qualitative and quantitative analyses of at least twelve samples and less exhaustive examinations of many others are required, in order that the student may gain proficiency. Material for study is obtained from the college clinic and from the Cook County Hospital.

In all courses a certain amount of outside reading is assigned, and a ready table and very complete working library, including Blythe's volumes on Poisons and Antidotes and Foods and their Adulterations, Leffman on Water and Milk Analysis, Purdy on Urine Analysis, etc., etc., are provided for the use of the classes.

A new chemical laboratory was completed in October, 1897. It is 50x30 feet in size, and in addition to the main laboratory, there is a smaller laboratory and storeroom. It is well ventilated, with fume closets, and well lighted.

Table space of three feet is provided for each student, and fifty students can be accommodated at one time. In addition, each table has two separate compartments, so that one hundred students can have individual lockers. Each table is supplied with gas, water, reagents, and all apparatus necessary to carry on the work.

The laboratory is one of the most complete of its kind in the country. In addition to individual apparatus, three analytical balances, a spectroscope, a polariscope, a microscope, and other pieces

of apparatus for examining blood and urine, and for various other qualitative and quantitative problems involved in Physiological and Sanitary Chemistry, are provided for general use.

III. DEPARTMENT OF PHYSIOLOGY.

Professor Leonard L. Skelton.

Anna Ellsworth Blount, M.D., *Lecturer.*

Elizabeth H. Dunn, M.D., *Instructor and Director of Laboratory.*

A laboratory room is used by this department, supplied with lockers, tables and the necessary apparatus, where the lectures are fully supplemented by demonstrations; at all of which the students assist, and many of which they perform for themselves, under the supervision of instructors.

The anatomy of the various body structures is set forth by means of dissections made before the class, and the functions demonstrated, both in a normal state and as affected by various drugs, severing of the nerve supplies, and electrical excitations.

Wherever possible, kymographic records are taken and preserved.

The students are required to observe a careful technique in the anæsthetizations and surgical features of the demonstrations.

In addition to the demonstrations, recitations are given, for the purpose of emphasizing the points brought forth in the lectures and treating more fully of the mechanics of physiological processes. Further increases in the equipment are shortly to be made.

For regular students during the fall, winter and spring terms of the Freshman year, 2 hours each week lectures.

During the same period, 4 hours each week laboratory work, supplemented by recitations.

During the Sophomore year, fall, winter and spring terms, 1 hour each week lecture.

During the same period, 2 hours each week laboratory work, supplemented by recitations.

Special Lectures.—Professor Leonard L. Skelton.

IV. DEPARTMENT OF PHYSICS.

Professor Oscar Oldberg.

A course in Physics is offered for two hours a week during the fall quarter. This course is required for Freshmen students, and optional for students of the other classes.

V. DEPARTMENT OF PHARMACY.

Professor Oscar Oldberg.

Freshman year, winter and spring terms, 2 hours each week.

VI. DEPARTMENT OF MATERIA MEDICA.

MARY GILRUTH MCEWEN, M.D., *Lecturer.*

Instruction, Sophomore year, fall, winter and spring terms, 3 hours each week lectures and recitations.

VII. DEPARTMENT OF HISTOLOGY.

PROFESSOR JEAN M. COOKE.

Didactic lectures are given in conjunction with the Laboratory Course, the specimens studied during each period illustrating the subject of the lecture. The students stain and mount their own specimens, and make drawings of all tissues and organs.

During the Freshman year, winter term, 9 hours laboratory work each week and 1 hour recitation.

The course in Histology of the Nervous System is given in a series of lectures and demonstrations during the fall term, second year, 1 hour each week.

VIII. DEPARTMENT OF EMBRYOLOGY.

PROFESSOR BERTHA VAN HOOSEN.

ELVA A. WRIGHT, M.D., *Instructor.*

Freshman year, spring term, 4 hours each week lectures and laboratory work.

IX. DEPARTMENT OF PATHOLOGY.

PROFESSOR ALICE HAMILTON.

ELIZABETH NEIL BRADY, M.D., *Instructor in Clinical Pathology.*

The course in Pathology is a combination of didactic lectures and laboratory demonstrations. A course in lectures on general pathology is given to the second year students during the first six weeks, followed by a course in special pathology, which extends through the remainder of the year. This is accompanied by laboratory work and demonstrations. The third year students are required to work in the laboratory two hours a week, and each third year student is required to harden sections and stain specimens from an autopsy case, and to furnish a report of the clinical history, post-mortem and pathological findings in the case.

Sophomore year, during fall, winter and spring terms, 1 hour each week lecture, 4 hours each week laboratory work, 2 hours each week clinical pathology. Professor ALICE HAMILTON.
Dr. ELIZABETH NEIL BRADY.

Clinical Examination of Urine.—Sophomore year, fall and winter terms, 2 hours each week. Dr. ELIZABETH NEIL BRADY.

Junior year, during the fall and winter terms, 2 hours each week laboratory work; during spring term, clinical pathology, 2 hours each week. Professor ALICE HAMILTON.
Dr. ELIZABETH NEIL BRADY.

During Senior year, fall term, 2 hours each week laboratory work, in gynecological pathology. Professor ALICE HAMILTON.

X. PRACTICAL LABORATORY COURSE IN CLINICAL AND SANITARY INVESTIGATION.

Professor VERNON JAMES HALL.

In order to help the student to retain and put to practical use the knowledge gained during the first and second years in the departments of Physiology, Pathology, and Chemistry, it is proposed to require throughout the third and fourth years, beginning with the fall term of 1902, a definite amount of practical laboratory work on clinical and sanitary subjects, such as the analysis of urine, blood, sputum, stomach contents, milk, etc. The clinic of the school affords abundant material for study, and, by taking advantage of it, a more comprehensive knowledge and more skillful manipulation will be attained than is possible in the purely didactic work of the first two years. Moreover, this course will be a constant review, with the result that these subjects will always be fresh in mind, ready for practical application to concurrent work. This course will involve the following required work:

A complete chemical and microscopical analysis of at least one sample of urine a week throughout the year; the examination during the year of at least twelve samples of blood; two each of stomach contents and sputum; six each of human milk and cow's milk; and as much other work as may be outlined later. This course is taught by an assistant under the immediate supervision of the department of Physiology, Pathology and Chemistry, and to these departments the students will report to be quizzed on methods, and the interpretation of results. All this work will be done in the chemical laboratory, where cabinets and all the necessary appliances are provided.

Printed forms, to be filled in with the analysis, will be furnished, and a copy of the analysis will be submitted to each of the three departments to be passed upon, and a fourth placed on file to the credit of the student in the clerk's office. An examination will be required at the end of the year, and only those students who have completed the full amount of work prescribed will be eligible.

Clinical Pathology.—Advanced students are given individual instruction in clinical pathology in connection with clinics. Ample time and opportunity are given them to prepare, section, stain, and

examine the abundant pathological material obtained from the clinics.

All students are required to make culture media, and to acquire the elements of bacteriological technique. This course also embraces examinations of sputa, blood and urine.

XI. DEPARTMENT OF BACTERIOLOGY.

PROFESSOR JEAN MOTTRAM COOKE.

The required work in bacteriology includes the preparation of culture media, cultivation and study of the more common non-pathogenic and pathogenic bacteria, and thorough drill in the technique of bacteriological methods.

An opportunity is also given during the spring term for students to do more advanced work and to study material of their own choosing. An optional course, 10 hours each week for six weeks, will be given twice during the term.

For regular students, Freshman year, fall term, 12 hours each week laboratory for ten weeks; spring term, 1 hour lecture each week, and 12 hours each week laboratory for ten weeks.

XII. DEPARTMENT OF HYGIENE.

GRACE OSBORNE, M.D., *Lecturer.*

This course embraces Etiology of Diseases, General Pathology of Infection, Hygiene of Dwellings and Hospitals; also Personal Hygiene, Industrial and Social Influences.

For regular students, Sophomore year, during the winter and spring terms, 16 lectures.

XIII. DEPARTMENT OF MEDICINE.

PROFESSOR ISAAC NEWTON DANFORTH.
PROFESSOR ARTHUR ROBIN EDWARDS.
PROFESSOR JAMES BRYAN HERRICK.
PROFESSOR LEONARD LAWSHE SKELTON.
ASSISTANT PROFESSOR AUGUST F. LEMKE.
ASSISTANT PROFESSOR JOSEPHINE AGNES JACKSON.

MARY M. S. JOHNSTONE, M.D., *Instructor in Clinical Medicine.*
KATE LEVY, M.D., *Instructor in Clinical Medicine.*
MARY O'BRIEN PORTER, M.D., *Instructor in Clinical Medicine.*
FRANCES TODD VANVELSOR, M.D., *Instructor in Clinical Medicine.*
GEORGE B. DYCHE, M.D., *Instructor in Practice.*

Instruction in Internal Medicine as given by Professor ARTHUR R. EDWARDS. This course includes a clinic in the County Hospital from 8 to 10 Friday mornings. In this clinic several

cases are demonstrated at each clinic and the diseases covered not only from a clinical but also from the didactic standpoint. After the clinic the students are given opportunity to examine the patients individually and to identify the main points elaborated during the clinic.

Professor EDWARDS also gives a medical clinic on Monday mornings from 10 to 12 in the Cook County Hospital Amphitheatre, in which clinic numerous cases are demonstrated rather than discussed theoretically, the students being given an opportunity to identify all of the points in the individual case. Thus, for example, opportunity is given to palpate the abdominal viscera, to note microscopical findings, to listen to heart murmurs, friction rubs, etc., etc. This clinic is given with the help of Assistant Professor LEMKE, and is intended to supplement the work in physical diagnosis, the work being almost wholly objective.

Assistant Professor JOSEPHINE JACKSON conducts recitations and lectures in medicine and gives also instruction in physical diagnosis to the Junior class, touching upon the theoretical points of physical diagnosis and then immediately illustrating the same with the demonstration of cases. This course covers the diagnosis of thoracic lessons and abdominal diseases particularly. It unites the features of a didactic and demonstrative course.

Assistant Professor JACKSON demonstrates the clinical course of acute diseases at the bedside in Professor Edwards' ward, covering the most important diseases; the demonstrations limited to classes of six.

In the work in internal medicine, as outlined above, it is believed that students receive more immediate personal instruction than given in any other medical school in the country. The material being so ample and the classes relatively small, the student is given an opportunity to reach the cases directly.

Professor SKELTON gives the Clinical Instruction in the College Building.

Professor HERRICK gives a weekly Clinic in General Medicine at the Cook County Hospital. Tuesdays, 10 to 12.

XIV. DEPARTMENT OF NERVOUS DISEASES.

PROFESSOR DANIEL ROBERTS BROWER.
ASSISTANT PROFESSOR ELIZABETH TROUT.
ASSISTANT PROFESSOR JAMES CORNELIUS GILL, M.D.
ASSISTANT PROFESSOR ELIZABETH H. DUNN, M.D.

Junior year, winter and spring terms, 2 hours each week.
Assistant Professor ELIZABETH H. DUNN.

Junior year, winter term, 1 hour each week.

Assistant Professor JAMES C. GILL.

Junior and Senior years, fall, winter, and spring terms, 3 hours each week didactic and clinical lectures.

Professor DANIEL R. BROWER.

Also during the Senior year, 1 hour each week recitations.

Assistant Professor ELIZABETH TROUT.

XV. DEPARTMENT OF PEDIATRICS.

PROFESSOR ISAAC A. ABT.

MAY MICHAEL, M.D., *Clinical Assistant.*

1. In the didactic course, the physiology and hygiene, the diseases of the new-born, nutrition, infant-feeding, the diseases of special organs, and acute and chronic infectious diseases, are studied.

These lectures are given one hour weekly throughout the year.

2. The clinical lectures are conducted before the entire class. Students are in turn called upon to examine the patient and outline the treatment. The material is abundant, making it possible to demonstrate a large variety of cases.

3. Dispensary clinics are held daily throughout the year, and students have the opportunity to examine and treat patients under the supervision of the clinical instructors.

4. A Pediatric Journal Club and Seminar is offered as an optional course to a limited number of advanced students.

Junior and Senior years, 2 hours each week didactic and clinical lectures.

XVI. DEPARTMENT OF MEDICAL JURISPRUDENCE.

PROFESSOR MARY M. BARTELME.

EVA MAY REYNOLDS, *Assistant.*

Senior year, winter and spring terms, 1 hour each week.

XVII. DEPARTMENT OF SURGERY.

PROFESSOR JOHN B. MURPHY,
PROFESSOR RACHEL H. CARR.
PROFESSOR FREDERICK ATWOOD BESLEY.
PROFESSOR WILLIAM EDWARD SCHROEDER.

HENRY J. BRUGGE, M.D., *Clinical Instructor.*
ANNA ROSS LAPHAM, M.D., *Clinical Instructor.*
SUSANNE ORTON, M.D., *Clinical Instructor.*
WILLIAM ARTHUR PORTER, M.D., *Clinical Instructor.*
ALLEN B. KANAVEL, M.D., *Instructor in Surgery.*

During the entire Junior and Senior years, 2 hours each week clinical lecture at Cook County Hospital.

Professor JOHN B. MURPHY.

Junior year, fall, winter, and spring terms, 2 hours each week. Senior year 1 hour each week, recitations.

Professors BESLEY and SCHROEDER.
Dr. KANAVEL.

During the winter and spring terms, 2 hours each week operative surgery, lecture and demonstration.

Professor RACHEL HICKEY CARR.

During the entire year, 6 hours each week clinical surgery to the class in sections.

Dr. H. J. BRUGGE.
Dr. ANNA ROSS LAPHAM.
Dr. SUSANNE ORTON.
Dr. WILLIAM ARTHUR PORTER.

XVIII. DEPARTMENT OF ORTHOPEDIC SURGERY.

Professor JOHN RIDLON.

ALICE F. PITKIN, M.D., *Assistant.*

During the entire Senior year, 1 hour each week, clinical and didactic lectures.

During the summer of 1901, clinics were held at the Northwestern University Medical School, Mondays at 11 a.m.; the Woman's Medical School, on Wednesdays at 1 p.m., and the Home for Destitute Crippled Children, on Fridays at 2 p.m.

XIX. DEPARTMENT OF OPHTHALMOLOGY AND OTOLOGY.

Professor FRANK ALLPORT.

CARRIE M. HAYWARD, M.D., *Assistant Professor.*

Ophthalmology.—During the entire Senior year, 3 hours each week clinical and didactic lectures.

Otology.—During the entire Senior year, 1 hour each week clinical and didactic lectures.

XX. DEPARTMENT OF DERMATOLOGY AND VENEREAL DISEASES.

Professor JOSEPH ZEISLER.

MARJA DOWIATT, M.D., *Clinical Assistant.*
VIOLET H. PALMER, M.D., *Clinical Assistant.*

During the entire year, 2 hours each week didactic and clinical lectures and recitations.

XXI. DEPARTMENT OF LARYNGOLOGY.

Professor William E. Casselberry.

George E. Shambaugh, M.D., *Instructor.*

Fall term, Senior year, 1 hour each week clinical and didactic lectures.

XXII. DEPARTMENT OF ORAL SURGERY.

Professor Eugene S. Talbot.

Fall term, Senior year, 1 hour each week didactic lecture.

XXIII. DEPARTMENT OF OBSTETRICS.

Professor Eliza H. Root.
Assistant Professor Helga Ruud.
Associate Professor Josephine Jackson.
Jane Kelsey Todd, M.D., *Clinical Instructor.*

The work of the Junior year is confined to normal obstetrics, and that of the Senior to operative obstetrics, diseases of the puerperium, and the new-born. In both the Junior and the Senior classes the students are drilled on the Budin-Pinard manikin, with the normal fœtus, inversions, use of the obstetrical forceps, etc.

Instruction is given during the fall, winter and spring terms of the Junior and Senior years, 2 hours each week by means of didactic, by the use of a text-book, recitations being conducted as conversazione, work in which each pupil is required to take an active part, by quiz work, and two additional hours for Seniors, clinic work on manikin, and quizzes. Professor Root.
Associate Professor Jackson.

Further instruction is given in the Dispensary Clinic connected with this department, together with bedside instruction in the out clinics connected with the dispensary.
Assistant Professor Ruud.
Dr. Todd.

XXIV. DEPARTMENT OF GYNECOLOGY.

Professor Bertha Van Hoosen.
Professor Henry Truman Byford.
Assistant Professor Rose Willard.
Associate Professor Josephine F. Young.
Ella Cleverdon, M.D., *Clinical Instructor.*
Mary Gilruth McEwen, M.D., *Clinical Instructor.*

During the fall term to Juniors and Seniors, 2 hours each week didactic lectures; for Juniors, 2 hours each week recitations; during

fall, winter, and spring terms; for Seniors, 1 hour each week 2d quarter operative gynecology at the Woman's Hospital, and Wesley Hospital.

Professor VAN HOOSEN.
Associate Professor YOUNG.

Seniors, 1 hour each week, 3d quarter optional at the Woman's Hospital.

Professor BYFORD.

Diagnosis and treatment at College Dispensary 2 hours each week to sections of Junior and Senior class.

Assistant Professor WILLARD.
Dr. MCEWEN.
Dr. CLEVERDON.

Gynecological Pathology.—A course on neoplasms, symptoms and treatment.

Laboratory.—Juniors twelve weeks; Seniors twelve weeks. Seniors twelve weeks elective in spring quarter.

Special Courses in Gynecological Histology and Pathology under the direction of competent instructors will be given during the third and fourth quarters.

CLINICAL INSTRUCTION IN THE COLLEGE BUILDINGS.

The Lincoln Street Dispensary.—In this dispensary patients are treated daily throughout the year. Students are admitted in small classes for instruction. The cases are classified according to their diseases, and assigned to the respective college clinics.

College Clinics.—These are conducted weekly throughout the year, and are exclusively for the benefit of the students of this school. It is the aim to make these clinics especially valuable in systematically illustrating the didactic instruction. They are as follows:

Monday at 3 o'clock. — Dermatology — Professor Joseph Zeisler. The various stages, phases, and degrees of the more common, as well as many of the more rare, acute, and chronic diseases of the skin, are abundantly illustrated during the term by Professor Zeisler. The clinics also include a full course on venereal diseases and syphilis.

Tuesday at 3 o'clock. — Gynecology — Assistant Professor Willard.

Junior and Senior students are admitted in groups on

The Clinical Instruction is given to the sections of the classes, each class being divided into five sections. The following is the schedule for 1901-1902:

SENIOR DISPENSARY SECTIONS. 2-3 P.M.

	Mon.	Tues.	Wed.	Thurs.	Fri.	Mon.	Tues.	Wed.	Thurs.	Fri.	Mon.	Tues.	Wed.	Thurs.	Fri.	Mon.	Tues.	Wed.	Thurs.	Fri.	Mon.	Tues.	Wed.	Thurs.	Fri.	Mon.	Tues.	Wed.	Thurs.	Fri.
Gynecology	A	....	....	....	B	D	....	....	....	E	C	....	....	....	D	B	....	....	....	D	A	....	....	....	C	E	....	....	....	A
Surgery	B	C	A	E	....	E	D	B	C	A	A	B	E	D	C	D	B	C	A	E	C	B	E	D	A	A	B	C	E	D
Ophthalmology	C	A	....	B	D	B	E	....	D	....	D	E	....	C	....	E	A	....	B	....	E	D	....	C	....	C	A	....	B	....
Obstetrics	....	....	....	....	....	....	....	....	A	....	....	....	....	B	....	....	....	....	C	....	....	....	....	....	E	....	....	....	D	....
Internal Medicine	....	....	E	....	....	....	....	D	....	....	....	....	A	....	....	....	....	....	B	....	....	....	C	....	....	....	....	B	....	....
Orthopedics	....	....	....	....	E	....	....	....	....	D	....	....	....	....	A	....	....	....	....	B	....	....	....	....	E	....	....	....	....	C
Dermatology	D	....	....	....	....	A	....	....	....	....	E	....	....	....	....	C	....	....	....	....	B	....	....	....	....	B	....	....	....	....
Nervous Diseases	....	....	C	....	A	....	....	E	....	B	....	....	D	....	E	....	....	A	....	C	....	....	D	....	B	....	....	A	....	E
Dental Surgery	....	....	D	....	....	....	....	A	....	B	....	....	C	....	....	....	....	B	....	....	....	....	E	....	....	....	....	C	....	....
Throat and Chest	E	....	B	....	E	C	....	A	....	C	B	....	C	....	B	A	....	E	....	A	D	....	A	....	D	D	....	C	....	B

JUNIOR DISPENSARY SECTIONS. 2-3 P.M.

	Tues.	Wed.	Thurs.	Fri.	Satur.	Tues.	Wed.	Thurs.	Fri.	Satur.	Tues.	Wed.	Thurs.	Fri.	Satur.	Tues.	Wed.	Thurs.	Fri.	Satur.	Tues.	Wed.	Thurs.	Fri.	Satur.	Tues.	Wed.	Thurs.	Fri.	Satur.
Gynecology	....	....	....	....	A	....	....	....	....	B	....	....	....	....	A	....	....	....	....	C	....	....	....	....	D	....	....	....	....	B
Surgery	A	B	....	C	D	B	C	....	....	A	C	A	....	B	D	B	C	....	D	A	A	D	....	C	B	B	D	....	A	C	D
Ophthalmology	B	D	....	A	C	A	B	....	C	D	D	C	....	A	B	C	A	....	B	D	B	A	....	D	C	A	B	....	C	....
Orthopedics	....	C	....	....	....	....	A	....	....	....	....	B	....	....	....	....	D	....	....	....	....	C	....	....	....	....	A	....	....	....	....
Internal Medicine	....	....	C	....	....	....	....	D	....	....	....	....	A	....	....	....	....	B	....	....	....	....	C	....	....	....	....	....	D	....	....
Obstetrics	....	....	D	....	....	....	....	C	....	....	....	....	B	....	....	....	....	A	....	....	....	....	D	....	....	....	....	....	C	....	....
Nervous Diseases	C	....	....	....	B	D	....	....	....	C	A	....	....	....	C	D	....	....	....	B	C	....	....	....	A	D	....	....	....	....	A
Clinical Pathology	....	....	A&B	....	....	....	....	A&B	....	....	....	....	C&D	....	....	....	....	C&D	....	....	....	....	....	....	....	....	....	....	....	....	....

Oct. 2 to Nov. 11. Nov. 13 to Dec. 23. Jan. 2 to Feb. 10. Feb. 12 to Mar. 24. April 2 to May 12. May 14 to June 23.

each day in the week to the gynecological department, where they may witness the examination and progressive treatment of a large number of patients.

The classes are instructed by competent assistants in the various methods of physical examination, and microscopical demonstrations will be made in connection with these lessons and the clinical lectures in suitable cases.

Unusual opportunities are afforded in operative gynecology, as will be seen by referring to hospital facilities.

Tuesdays at 5 p.m. and Fridays 10 a.m.—Professor Root's obstetrical clinic. Senior and Junior students in groups, most convenient for instruction, will be taught to make the diagnosis of pregnancy in various stages of gestation, exercises in pelvimetry and abdominal palpation for the diagnosis of position and presentation at full term, and practical work at the bedside of out-patients belonging to this clinic. Students will be expected to have not less than five cases before graduation.

Wednesday at 1 o'clock. — Orthopedic Surgery — Professor Ridlon. This hour will be devoted to clinical instruction in orthopedic surgery, supplemented by didactic lectures and recitations. Special attention will be given to the diagnosis and mechanical treatment of chronic joint diseases, chronic and progressive deformities, and congenital deformities.

Wednesday at 3 o'clock.—Diseases of Children—Professor Isaac Arthur Abt. In the Pediatric clinic a large variety of material is shown. It is possible to demonstrate the methods of diagnosis and the principles of pathology and therapeutics which are peculiar to the infant's and child's organism.

Thursday, 10 to 12 o'clock.—General Diseases—Professor Skelton. In this clinic special attention is given to the methods of diagnosis in daily use at the bedside by the practitioner. Patients are examined before the class, and students are given frequent opportunities to make examinations under the Professor's direction. Special cases are assigned to the care of various members of the Senior class.

Thursday from 3 to 5 o'clock.—Diseases of the Eye and Ear—Professor Allport will deliver a didactic lecture followed

by a clinical lecture with practical demonstrations and operations on dispensary patients.

The Eye and Ear Department in the dispensary is open every day from 2 to 3 o'clock, and is principally under the charge of Dr. Hayward, instructor in ophthalmology and otology. Dr. Hayward will demonstrate eye and ear work in the dispensary, and will supplement such work during the term by lectures on the use of the ophthalmoscope, perimeter, etc., and upon errors of refraction and accommodation and the proper adjustment of glasses.

Friday at 9 o'clock.—Dr. Carrie M. Hayward will give a clinic and lecture, and instruct students in the use of the instruments used in this special work.

Friday at 3 o'clock.—Diseases of the Nervous System—Professor Brower. In connection with this clinic, in which all the ordinary diseases of the nervous system are amply illustrated with respect to diagnosis and treatment, Professor Brower demonstrates the value of modern electro-therapeutics, and also makes free use of the stereopticon to elucidate the deeper and more minute pathological processes. The class is also taken, at intervals during the term, to institutions for the insane, to study the various phases of insanity and allied diseases.

Saturday at 9 o'clock. First four months.—The Throat and Nose—Professor Casselberry. This hour is devoted to a lecture supplemented by clinical material in illustration. Students are made familiar with the laryngoscope and with the practical details of treatment, by individual practice in divided classes, in a collateral course.

HOSPITALS AND OUT DEPARTMENTS.

The hospitals to which the students have access afford excellent facilities for clinical instruction.

Cook County Hospital is situated directly opposite the school. It is one of the largest and best equipped general hospitals in the country. It has medical, surgical, and obstetrical wards, and a clinical amphitheater with a seating capacity of six hundred. Clinical

lectures are delivered each week, embracing Surgery, Practical Medicine, Gynecology, Ophthalmology, and Otology. Professors Murphy, Edwards, Brower, Herrick, Josephine Jackson, Abt and Schroeder are members of this staff, and the students of the school are admitted on the same conditions as those of other colleges.

Professor Edwards will give a clinic in General Medicine Tuesdays and Fridays, 8 to 10 a.m. Besides the two clinics in internal medicine, given by Professor Edwards, the classes are admitted to his medical ward and given individual bedside instruction by Dr. Jackson. Professor Herrick will give a clinic in General Medicine Tuesday, 10 to 12. Professor Brower will give a clinic at 4 p.m. Fridays, in Nervous Diseases.

Among the advantages of this hospital are the opportunities for studying pathological anatomy, as well as the methods of making *post-mortem* examinations. Autopsies, with lectures and demonstrations are held every Wednesday at 8 o'clock a.m., by the Pathologist Dr. Hektoen, in the Necropsy Theater.

The Woman's Hospital of Chicago.—This hospital, which has recently been remodeled, is one of the most completely equipped gynecological hospitals in the country. Important operations are performed every week by members of the staff. A limited number of the graduating class are admitted on each operating day. Professors Van Hoosen and Byford are on the staff.

The new Wesley Hospital contains upwards of two hundred beds. The school has equal opportunities with the men's Medical School of Northwestern University. The following are the members of the Staff:

Medicine.—Drs. N. S. Davis, Jr., Geo. W. Webster and A. R. Edwards.
Surgery.—Drs. Weller Van Hook, S. C. Plummer and Wm. E. Schroeder.
Gynecology.—Dr. E. C. Dudley.
Eye and Ear.—Drs. Henry Gradle and Frank Allport.
Nose and Throat.—Dr. W. E. Casselberry.
Obstetrics.—Dr. Jos. B. De Lee.
Orthopedics.—Dr. John Ridlon.
Renal Surgery.—Dr. I. N. Danforth.
Diseases of Children.—Dr. M. P. Hatfield.
Pathologist.—Dr. Gustav Futterer.
Neurology—Drs. Archibald Church and Hugh T. Patrick.
Skin Diseases.—Dr. Joseph Zeisler.

Illinois Charitable Eye and Ear Infirmary.—The institution is easily accessible, and affords the best advantages for studying Ophthalmology and Otology.

REQUIREMENTS FOR GRADUATION.

To be admitted to the degree of Doctor of Medicine, a student must be twenty-one years of age, possess a good moral character, have studied medicine four full years, either under the direction of the Faculty, or a regular physician as a preceptor, and have attended at least four full courses of lectures in a recognized medical school, the last of which must have been in this institution.

To receive credit for any term of lectures, the student must have paid all fees and have complied with all the requirements of the college; she must have attended at least 80 per cent of the lectures, recitations, and laboratory periods of that course.

Every candidate must undergo a full and satisfactory examination on each required branch included in the curriculum.

NOTE.—The student must notify the Secretary of the Faculty of her intention of becoming a candidate, pay all dues, and deposit the diploma fee with the Representative of the Business Agent of the University on or before April 15th.

HOSPITAL APPOINTMENTS.

Positions as internes or resident physicians in various hospitals are open to the graduates of the Woman's Medical School. These internes are selected by competitive examinations, or are appointed on account of high standing, and serve without pay for a term of from twelve to eighteen months. Members of the graduating class are eligible to examination and appointment in the Cook County Hospital, in which there are sixteen vacancies annually. They are also eligible to appointment in the Illinois Eye and Ear Infirmary, which elects two or more internes and two or more externes annually. The Mary Thompson Hospital for Women and Children appoints three internes annually, and three alternates; the Woman's Hospital of Chicago, two internes and two alternates; the Wesley Hospital of Chicago, one interne and one alternate from this school; the Children's Hospital, San Francisco, California, one interne and one alternate; the Temperance Hospital of Chicago, one interne; the Illinois Asylum for the

Insane; the Benedictine Home, Des Moines, Iowa; the Industrial School for Girls, Mitchellville, Iowa; and the New England Hospital for Women, Boston; and the Woman's Hospital and Foundlings' Home, Detroit, Mich.; Milwaukee County Hospital, Wauwatosa, Wis.; Deaconess Hospital, Peoria, Ill.; Samaritan Hospital, Sioux City, Iowa; Chicago Lying-In Hospital and Dispensary; Chicago Maternity Hospital appoints generally one from the graduating class.

GRADUATING CLASS OF 1901.

Harriet Nevius Ballance, A.B.
Nellie Binford.
Mary Julia Crosby.
Adah Louise Epperson.
Lucy Alice Exton.
Emilie Louisa Gnekow.
Mary J. Ellis Henry.
Minnie Agnes Hinch.
Louise Helmka Keator.
Susan Lehle.
Emma Scribner MacKay.
Louise Lucy Munch.
Marion Blanche Neil.
Mary Elizabeth Newell.
*Mary O'Brien Porter, M.D.
Alice Prentiss-Smith.
Elizabeth Anne Todd.
Emma Boose Tucker, B.S.
Lucy Miller Wood.

*December 21, 1900.

APPOINTMENTS FROM THE GRADUATING CLASS OF 1901.

WOMAN'S HOSPITAL OF CHICAGO:
Susan Lehle, Interne.
Lucy Wood, Interne.
Blanche Neil, Alternate.
Anne Todd, Alternate.

WESLEY HOSPITAL:
Lucy Miller Wood, Interne.
———————, Alternate.

MARY THOMPSON HOSPITAL, FOR WOMEN AND CHILDREN:
Emma Boose Tucker, Interne.
Susan Lehle, Interne.

CHILDREN'S HOSPITAL, SAN FRANCISCO, CAL.:
Emma Scribner MacKay, Interne.
Harriet Nevius Ballance, Interne.

COUNTY INSTITUTION FOR INSANE, DUNNING, ILL.:
Minnie Agnes Hinch, Interne.
Marion Blanche Neil, Interne.
Louise Lucy Munch, Interne.

SAMARITAN HOSPITAL, SIOUX CITY, IOWA:
Mary Julia Crosby, Interne.

DEACONESS HOSPITAL, PEORIA, ILL.:
Louise Helmka Keator, Interne.

The Lucy S. Ingals Prize Scholarship was awarded to Esther Mitchell, B.S. (Monmouth College).

Honorable mention for highest general average attained, Drs. Emma Boose Tucker, Mary Julia Crosby and Lucy Alice Exton.

SCHOLARSHIPS.*

The following scholarships have been founded in connection with this school:

The Grace Chandler Scholarship.—The Woman's Presbyterian Board of Missions of the Northwest has established a perpetual scholarship for the education of medical missionaries. The money for this purpose was given by Mrs. Chandler, of Detroit, Michigan. Beneficiaries must be under the care of above Board, and must comply with all the rules and regulations of the school, except the payment of fees.

NOTE.—Further information will be furnished on application to the Medical Committee of the Board, Room 48, McCormick Block.

The Emily W. N. Scofield Scholarships.—The Northwestern Branch of the Woman's Foreign Missionary Society of the Methodist Episcopal Church has established two perpetual scholarships for the education of medical missionaries. The money for this purpose was bequeathed by the late Mrs. Scofield, of Elgin, Illinois. Beneficiaries must be under the care of the Woman's Foreign Missionary Society of the Methodist Episcopal Church, and must comply with all the rules and regulations of the school, except the payment of fees.

NOTE.—For further information apply to Mrs. H. G. Jackson, 4558 Oakenwald Avenue.

The Woman's Board of Missions of the Interior (of the Congregational Church) has also established a scholarship in this school for the education of medical missionaries. The

* These scholarships provide for all required hospital instruction except a fee of $5.00 for Clinics and Autopsies at Cook County Hospital.

money for this purpose was also bequeathed by Mrs. Scofield. The rules governing the preceding scholarships also apply to this scholarship.

NOTE.—For further information, apply to Miss Wingate, 59 Dearborn Street, Chicago.

The Woman's Presbyterian Board of Missions of the Southwest has recently established a scholarship. The preceding rules govern students under this scholarship.

NOTE.—For information, address Medical Committee, 1107 Olive Street, St. Louis, Mo.

The Elizabeth Skelton-Danforth Memorial Scholarship.—Founded by Professor I. N. Danforth in memory of his deceased wife, and by him presented to the Woman's Foreign Missionary Society of the Methodist Episcopal Church, whereof the late Mrs. Danforth was a charter member and long connected with its officiary. It is intended as a fitting memorial of her devoted and efficient service in the medical education of women as a preparation for appointment to foreign mission fields. While it is designed primarily for medical students who are preparing for foreign missionary work, the Woman's Foreign Missionary Society may, in default of missionary students, assign other applicants as beneficiaries. Students occupying this scholarship must comply with all the rules and regulations of the school, except those relating to the payment of fees. For further information, apply to Mrs. H. G. Jackson, 4558 Oakenwald Avenue, Chicago, or to the Dean.

The Lucy S. Ingals Prize Scholarship.—This scholarship has been recently founded by Prof. E. Fletcher Ingals, of Rush Medical College, for the purpose of encouraging original work in Medical Science and to promote higher medical education. It is conferred only upon students possessing the degree of Bachelor of Science or Bachelor of Arts, or a degree of equal rank, from some first-class college or university. It is conferred as a prize for excellent original work done in some branch pertaining to the Science of Medicine, providing that if the theses submitted, embodying the results of such original work, do not in the opinion of the Faculty merit a prize, then this

scholarship may be conferred as two half-scholarships to a member of the second year and to a member of the third year class respectively, holding similar degrees, who shall attain the highest average in their medical studies for that year. Beneficiaries of this scholarship are entitled to all the privileges of the school accorded other students of similar stage of advancement, free of charge for the full scholarship, and for half the usual fees in case of half-scholarships.

All communications concerning scholarships should be referred to the Dean.

EXPENSES.

Fees are payable *in advance*, and cannot be refunded or transferred to another term. Fees for the year ending in June, 1902, are as follows:

Matriculation Fee.—Each student is required to pay at the time of first registration a matriculation fee of *five dollars.*

Annual Fee.—A fee of *one hundred dollars* is required annually, which entitles the student to admission to all the lectures, clinics, and laboratory work of the school. This fee must be paid before any of the tickets for practical work can be taken out.

Laboratory Charges.—No charge will be made in the laboratories except the actual cost of materials used.

Diploma Fee.—A diploma fee of ten dollars will be required.

Special students, not in attendance upon the regular course, are required to matriculate (*five dollars*) and take out a ticket (*fifteen dollars*) for each branch they may select; and if at any time they desire to pursue the full course, with a view of taking the degree, the fees already paid, excepting the matriculation fees, will be credited on the general ticket.

Fees to Graduates.—Matriculation fee five dollars (except our own alumnæ), fifteen dollars for each special course, or the regular quarterly fees. Free to the Alumnæ of the School.

Students will register and pay their fees to the Clerk, who

will be at the School during business hours, and will give the Treasurer's receipt for the money.

ASSIGNMENT OF SEATS.

Students, after advancing *ten dollars* on the annual fee, are allowed to select seats in the lecture-rooms before the beginning of the term. Applications for seats should be made to the College Clerk.

For further information in regard to the Woman's Medical School, address Professor John Ridlon, M.D., Secretary, Suite 1110, 103 State St., Chicago, Illinois. Hours 9 to 11.

THE SCHOOL OF MUSIC.

EVANSTON.

FACULTY.

EDMUND JANES JAMES, Ph.D., *President.*
PETER CHRISTIAN LUTKIN, MUS. DOC., *Professor of Theory, Piano and Organ.*
HAROLD EVERARD KNAPP, *Director Violin Department, Professor of Violin and Ensemble Playing.*
SADIE ELIZABETH COE, *Professor of Piano and Musical History.*
ARNE OLDBERG, *Professor of Piano and Composition.*
KARLETON HACKETT, *Director Vocal Department, Instructor in Voice Culture.*
WILLIAM HENRY KNAPP, *Instructor of Voice Culture.*
WALTER KELLER, *Instructor of Piano.*
MARGARET CAMERON, *Instructor of Piano.*
ANTHONY STANKOWITCH, *Instructor of Clavier Method.*
HARLAN JOHN COZINE, *Instructor in Voice Culture, Sight-Reading and Choral Music.*
LEWIS RANDOLPH BLACKMAN, *Instructor of Violin.*
DAY WILLIAMS, *Instructor of Violoncello.*
ALFRED GEORGE WATHALL, *Instructor in Harmony.*
CHARLES JOSEPH KING, *Instructor of Clarinet, Oboe, and Bassoon.*
WILLIAM ZEPHANIA COLE, *Instructor of Flute.*
JOHN SKELTON, *Instructor of Cornet.*

The School of Music was established in 1895. It continues on a larger scale the work of what was formerly known as the Department of Music.

The School offers extensive courses in the practical and theoretical study of music, and is designed to fit students for the profession as composers, theorists, artists, teachers, or critics. It also makes provision for the study of music as a part of general culture or as an accomplishment.

The School occupies its own quarters, immediately to

the north of Willard Hall, near the University Campus. This building was erected during the year 1897 for the especial needs of the music department, and is known as *Music Hall.* It is substantially built of stone and brick, surmounted with a tile roofing and finished in Georgia pine.

The first floor contains the Dean's office, the business office, reception room, besides teaching and practice rooms. Additional classrooms are found on the second floor, together with a well-arranged concert-hall, seating three hundred and fifty. The hall is provided with a large stage, dressing-rooms, a grand piano, a two-manual pipe-organ with pedals, and is seated with opera-chairs. The practice-rooms are especially pleasant, being well lighted and heated.

Owing to the increased attendance the basement floor has been subdivided into eleven rooms, giving thirty rooms in all, exclusive of the concert-hall.

ADVANTAGES.

The advantages of music study in Evanston may be briefly summarized as follows:

Within the School—

1. A superior corps of Instructors, presenting the most approved European methods, combined with the best ideas of American educators.

2. A choral society of select voices, affording efficient drill in part-singing, and giving students the opportunity of familiarizing themselves with the standard oratorios, either as listeners or singers.

3. Drill in ensemble playing by means of duos, trios, quartettes, etc., for various combinations of instruments, and the analysis and study of chamber music and orchestral scores.

4. Improved and practical methods in teaching harmony, counterpoint and musical form. The time devoted to these subjects is nearly double the amount ordinarily given in music schools. This is made possible by the fact that the students live in or near the school, while in large cities the students

are dispersed over a great area, making frequent recitations an impossibility.

5. Chamber music and other recitals by members of the Faculty, presenting the best works of classical and modern masters.

6. In church music the opportunity of becoming familiar with the discipline and routine of one of the best chorus choirs.

7. Numerous recitals, concerts, lectures, etc., free to students.

Outside the School—

1. The opportunity of taking one or more studies in any other department of the University at small expense.

2. Healthful and helpful surroundings to the physical, mental, and spiritual life.

3. Residence in a prohibition district, the charter of the University prohibiting the sale of intoxicating beverages within four miles of the seat of the University. This law is enforced, and as a result the community is unusually free from immoral influences.

4. Freedom from the turmoil, distractions and temptations of a commercial city.

5. Accessibility to the artistic attractions found only in large centers of population.

REQUIREMENTS FOR ADMISSION.

The work of the School is divided into two parts—the Theoretical School and the Practical School. The former is intended for theorists and composers, and the requirements are a knowledge of the rudiments of music in regard to notation and rhythm, a reasonable familiarity with all major and minor keys, and the ability to play hymn-tunes on the piano or organ. The work is arranged in year courses and cannot be entered during the year unless the applicant for admission can pass an examination on the work already covered.

The Practical School includes the study of the piano,

organ, voice, violin, or other orchestral instrument, and in connection therewith certain courses in the Theoretical School as hereinafter stated. Moderate attainments, representing on an average one year's systematic training in singing, or two to three year's systematic training in instrumental music, are required to enter the Practical School. This preparation, when needed, is supplied in the most thorough and direct manner in the School of Music itself.

COURSES.

THEORETICAL SCHOOL.

The Theoretical School offers three courses as follows:

I. Certificate Course.
II. Diploma Course.
III. Advanced Course leading to a Degree.

The Certificate Course requires three years' work covering the studies outlined in the following schedule. The Diploma Course requires an additional year. The Advanced Course is only open to such students as can pass the final examinations in the Diploma Course with distinction, and who have evinced decided creative ability. The candidates are required to compose a work of considerable length for chorus and orchestra, introducing solos, five-part chorus writing, and contrapuntal treatment of the voices, such work to meet with the approval of the Faculty. It is further required that the candidates prove their knowledge of English, Mathematics, and German, French, or Italian.

NOTE.—For courses in music counting toward a degree in the College of Liberal Arts, see pp. 107–109. For other courses in the School of Music, see the special circular of that school.

PRACTICAL SCHOOL.

The Practical School presents three courses, viz.:

I. Certificate Course.
II. Graduating or Diploma Course.
III. Post-graduate Course.

The Certificate Course requires the first and second years' work in the Theoretical Course in full, together with sufficient

proficiency in playing or singing to creditably perform a programme containing standard examples of classical and modern compositions. A reasonable facility in sight-reading is expected, as well as a comprehensive knowledge of the technical and artistic principles involved in the particular branch chosen. In addition to the above, students of the piano and stringed instruments are required to take two terms of ensemble-playing, voice students two years of sight-reading and part-singing, and organ students two terms in modulating, transposing, and choir accompaniment. At the end of the first year each candidate for a certificate must appear before a faculty committee, and be guided by their decision as to a further continuance in this course.

The Diploma or Graduating Course is designed to fully equip students for professional work, and definite musical ability is an absolute essential. The candidate must have fulfilled the requirements for completing the Certificate Course with decided credit, and is again to appear before a faculty committee for examination. No student can enter this course without the sanction of the committee, or be graduated without its consent. Exacting technical routine, application of the finer principles of musical expression, study of the great masterpieces, and an additional year of theoretical study are among the requirements. Students of the piano and stringed instruments must take two more terms in ensemble-playing, voice students must be able to carry their part in unaccompanied quartette singing, and organ students have the ability to improvise on a given theme.

While each of the preceding courses is nominally of two years' duration, many students find it more convenient and advantageous to take them in three years. Candidates hoping to complete them in two years must be well prepared on entering, diligent, and possessed of more than ordinary ability.

The Post-graduate Course gives to students desirous of appearing as solo artists the opportunity of developing their gifts to the utmost.

DIPLOMAS AND CERTIFICATES.

Upon recommendation of the Faculty, diplomas will be given to students completing Course II in either the Theoretical or Practical School, and certificates to those completing Course I in either school. The fee for a diploma is $8.00; for a certificate, $5.00.

FREE ADVANTAGES.

Students who have entered in the regular courses have the following free privileges:

1. The required classes in Harmony, History of Music, Counterpoint, Musical Form and Analysis.
2. The Sight-reading Class.
3. All concerts, recitals, and lectures.
4. Orchestra Class.

FEES AND EXPENSES.

For students taking the regular courses a fixed fee per term is charged as noted below. This entitles them to two half-hour private lessons per week (instrumental or vocal, as the case may be), from the head teachers, and the required classes in harmony, musical history, sight-reading, counterpoint, musical form and analysis. Attention is called to a slight increase over the rates of last year. Students not taking full work will find the fees tabulated under the heading "Private Lessons."

Matriculation Fee—A matriculation fee of five dollars is charged on entering the regular courses. It is paid but once.

The school year is divided into four terms of nine weeks each.

TERM FEES.

REGULAR COURSES.

Piano or Organ, per term,	$40 00
Mr. Hackett (Voice), per term,	54 00
Mr. Cozine (Voice), per term,	40 00
Mr. Knapp (Voice), per term,	32 00
Violin or Violoncello, per term,	32 00
Theoretical Course only, per term,	10 00

PRIVATE LESSONS.

	Two half-hour lessons per week.	One half-hour lesson per week.
Prof. P. C. Lutkin (Piano or Organ), per term,	$45 00	$25 00
Karleton Hackett (Voice), per term,	54 00	30 00
Prof. S. E. Coe (Piano), per term,	36 00	20 00
Prof. Arne Oldberg (Piano), per term,	36 00	20 00
J. H. Cozine (Voice), per term,	40 00	22 00
Prof. H. E. Knapp (Violin), per term,	27 00	15 00
W. H. Knapp (Voice), per term,	27 00	15 00
Day Williams (Violoncello), per term,	27 00	15 00
Walter Keller (Piano or Organ), per term,	20 00	11 00
Margaret Cameron (Piano), per term,	20 00	11 00
L. R. Blackman (Violin), per term,	18 00	10 00
A. G. Wathall (Theory), per term,	18 00	10 00
W. Z. Cole, (Flute), per term,	18 00	10 00
C. J. King (Clarinet), per term,	18 00	10 00
John Skelton (Cornet), per term,	18 00	10 00

CLASS LESSONS.

(To students registered for private work.)

	Per Term.
Full Theoretical Course,	$5 00
Half Course,	3 00

(To students not registered for private work.)

Full Theoretical Course,	10 00
Half Course,	6 00

VOICE CULTURE CLASSES.

In Class of Five,	$10 00
In Class of Ten,	5 00
Ensemble Class,	5 00
Physical Culture Class,	5 00
Sight-reading Class,	1 50

PIANO PRACTICE.

Each hour of daily practice per term,	$2 50

ORGAN PRACTICE.

Each hour of daily practice, including blowing, per term,	$10 00
Pedal piano,	5 00

NOTE.—A discount of twenty-five per cent is allowed to the immediate members of a minister's family for private lessons. It is not allowed for class instruction or practice.

Tuition is payable *strictly in advance* at the University office, 518 Davis street. Checks may be drawn payable to

Robert D. Sheppard, Treasurer and Business Manager of the University.

Lessons falling upon legal holidays, or missed through fault of student, are only made up at the convenience of teacher. No deductions will be made to pupils for absence from lessons. In cases of protracted illness, when due notice is given, the lessons missed will be transferred to a subsequent term or the loss divided with the student.

PREPARATORY DEPARTMENT.

A Preparatory Department is maintained by the school where excellent instruction may be obtained in piano, organ, voice, or theory from capable graduates. The terms coincide with those of the regular school, being nine weeks in length. Tuition rates are as follows:

	Two half-hour lessons per week.	One half-hour lesson per week.
From Graduates of Diploma Course, - -	$15 00	$8 50
From Graduates of Certificate Course, -	12 00	7 00

For further information and special circular relating to the School of Music, address Professor P. C. Lutkin, Dean, Evanston, Ill.

SCHOOLS OF THEOLOGY.

FACULTY OF GARRETT BIBLICAL INSTITUTE.

Rev. Charles Joseph Little, D.D., LL.D., *President, and Professor of Historical Theology.*

Rev. Milton Spenser Terry, D.D., LL.D., *Professor of Christian Doctrine.*

Rev. Charles Horswell, B.D., Ph.D., *Professor of the Hebrew Language and the Literature of the Old Testament.*

Rev. Solon Cary Bronson, D.D., *Professor of Practical Theology.*

Rev. Charles Macaulay Stuart, D.D., *Professor of Sacred Rhetoric.*

Rev. Doremus Almy Hayes, Ph.D., D.D., *Professor of New Testament Exegesis.*

Robert McLean Cumnock, A.M., *Professor of Rhetoric and Elocution.*

William Caldwell, Sc.D., *Lecturer on Social Philosophy.*

William Joseph Davidson, B.D., *Instructor in Greek and Hebrew, and Assistant Librarian.*

The Garrett Biblical Institute has been in operation since 1856. It is open to all young men from any evangelical church who are properly recommended as candidates for the Christian Ministry. It was established especially as a seminary where young men of this class from the Methodist Episcopal Church might be educated. It is supported by income from property in the city of Chicago, bequeathed in 1853, as a perpetual foundation, by Mrs. Eliza Garrett. It invites to its care and instruction young men in the Church whom God has called to be His ministers.

REQUIREMENTS FOR ADMISSION.

Students not licensed to preach are received on the recommendation of their respective quarterly conferences, or temporarily, in failure of this, on a note from their pastor, promising the recommendation in due time. The form of recom-

mendation authorized by the General Conference of the Methodist Episcopal Church is as follows:

"We, the members of the Quarterly Conference of----------
----------hereby express our judgment that----------is called of God to the work of the ministry, and we recommend him to the care and instruction of the Garrett Biblical Institute."

Applicants from other churches will need to bring such certificates as are usually given by the denominations to which they belong. Students from other theological seminaries may be admitted *ad eundem* on presenting satisfactory testimonials of equivalent work and honorable dismission.

INSTRUCTION.

Those who enter the courses of instruction should have a thorough preparation. The College of Liberal Arts offers its advantages to those who require this preparation.

The aim is to embrace all departments of Theological Encyclopedia, as indicated in the following scheme:

A. EXEGETICAL THEOLOGY.

1. *Biblical Philology*—Hebrew and Greek Languages, and their cognates.

2. *Biblical Introduction*—Canonics, Criticism (Higher and Lower), Sacred Literature.

3. *Biblical Archæology*—Chronology, Ethnology, Geography, Antiquities.

4. *Hermeneutics*—(1) *General:* Study of Words, Grammatical Forms, Styles, etc. (2) *Special:* Study of Figurative Language, Parables, Allegories, Types, Symbols, Prophecy, Apocalyptics.

5. *Exegesis*—Critical and expository study of the several books of the Bible.

6. *Biblical Theology*—Development of Biblical Doctrine as distinct from Historical and Systematic Theology.

B. HISTORICAL THEOLOGY.

1. *Sources*—Canonical and Apocryphal books of the Bible, Pseudepigraphal books, sacred books of all nations, Archæological Monuments, Patristics, Symbolics, Liturgics, and Hymnology.

2. *External Development of the Kingdom of God*—Pre-Christian History of Israel and the Nations. Patriarchal period, Mosaic.

Priestly, Regal, and Prophetic development, and Post-exilian Judaism, life and work of Christ, the Apostolic Age, and ancient, mediæval, and modern periods of the Christian Church.

3. *Internal Development*—Religious life and thought of the Church, progress of the same through the centuries, History of Doctrines, Comparative Religion and Theology, and Sociology.

C. SYSTEMATIC THEOLOGY.

1. *Metaphysics*—Psychology, Ontology.
2. *Apologetics*—Evidences and Defenses of Revelation.
3. *Dogmatics*—Doctrine of God and Christology, Anthropology, Soteriology, Eschatology.
4. *Polemics*—The great issue of Theological Controversy.
5. *Irenics*—Methods of Conciliating Theological Differences.
6. *Ethics*—Theoretical, Practical.

D. PRACTICAL THEOLOGY.

1. *The Ministry as an Institution*—Its Call, Functions, Qualifications, Preparation, Maintenance, Perils, Safeguards.
2. *Homiletics*—History, Science and Art of Preaching, Praxis, Homiletical Study of Great Preachers.
3. *Liturgics*—Forms of Worship, Conduct of Services, Administration of the Sacraments.
4. *Ecclesiastical Polity and Law*—Forms of Church Government, Judicial Administration, Discipline.
5. *Pastoral Theology*—(1) *Catechetics:* Training of Children and Probationers, Educational Functions of the Church, Sunday-schools, etc. (2) *Poimenics:* Pastoral Care, Shepherding the Flock, Details of the Pastoral Office. (3) *Church Activities:* Adaptation of the Machinery of the Church to Existing Needs, Benevolent Work and Social Life of the Church, Employment of Lay Agencies, Study of Other Religious Institutions in Their Relations to Our Own.
6. *Halieutics*—Evangelistic Methods, the Work of extending the Kingdom within the Christian Community, Missions—Domestic and Foreign.

COURSES OF STUDY.

Two courses of study are offered, as shown in the schedule below:

I. DEGREE COURSES.

There are two Degree Courses: one leading to the degree of B.D., the other to the degree of Ph.D.

1. *The B.D. Course.*—This is a three years' course arranged for classical graduates of approved colleges. Appli-

cants, upon registration, are required to present their diplomas. Students, not graduates of colleges, may be admitted to this course, if, by examination not later than the close of the first term, they satisfy the Faculty of their classical and literary fitness to complete it. The degree of Bachelor of Divinity is conferred upon all who complete the course to the satisfaction of the Faculty.

2. *The Ph.D. Course.*—By an arrangement with the College of Liberal Arts of this University, the Institute is now able to offer to college graduates a resident course of study leading to the Degree of Doctor of Philosophy. Students are admitted to this course upon terms stated on page 137.

Of the four years required as a *minimum* for the degree of Ph.D., three at least must be spent in residence at a theological school of high standing, and the last two at Garrett Biblical Institute.

II. DIPLOMA COURSES.

1. *The Greek and Hebrew Course.*—This course is intended for those who desire to read and understand the Scriptures in the original, and yet are not prepared to do the work of the Degree Course. Greek is taught during three years, beginning with the elements. Hebrew is taught during the second and third year, beginning with the elements. The Greek class in exegesis read the Synoptic Gospels and the Acts in the Senior year. The Hebrew class read the poetical books of the Old Testament. In the other departments the work of this course is nearly the same as that of the Degree students.

2. *The Greek English Course.*—In this course English exegesis is substituted for Hebrew. It is in other respects the same as the Greek and Hebrew Course.

3. *The English Course.*—In this course training in the English Language, in Rhetoric, Logic, and Psychology takes the place of the study of elementary Greek and Hebrew, and English exegesis of the Scriptures is given instead of the study of the poetical books in Hebrew and of the Synoptic Gospels and Acts in Greek. The characteristic work of this course is

in charge of Professors Stuart and Hayes, who have been selected by the trustees as men exceptionally fitted for the task. In the departments of Systematic, Historical, and Practical Theology, Elocution, and Sociology, the studies of the English Course are the same as in other diploma courses.

Students who complete either of these courses receive the diploma of the Institute. Three years are required for any one of them. Applicants for admission must present certificates from approved high schools or academies, otherwise they must pass a satisfactory examination in the studies prescribed by the Bishops for those who seek admission to an annual conference. [See Discipline, 1896, page 369.]

College Graduates enjoy here exceptional advantages. In several departments, conspicuously in the Exegetical and Historical, they are formed into separate classes. They are encouraged and helped to special investigation, and receive from their professors continued personal attention in their chosen line of study. They have access, also, by the courtesy of the University, to any classes of the College of Liberal Arts for which they have time and aptitude.

Diploma Students are accorded the largest privilege of election. They may devote their energies to the studies for which they are best adapted, assured that in either of the three Diploma Courses they will receive thorough instruction, be held firmly to high standards, and be trained carefully for the work of the ministry.

METHOD OF INSTRUCTION.

The method of instruction is by recitation and lectures and free discussion. Members of the Senior class are required to preach in turn before the Faculty and students of the Institute.

Great emphasis is laid upon instruction in elocution. Hence a course of training extending through three years is required of those who graduate. It is confidently proposed that every student who completes this work shall acquire a correct, forcible, and graceful elocution.

In addition to the instruction by recitation, lectures, and free discussions in the classrooms, public lectures and addresses by distinguished persons are also given before the Faculty and students, covering all the topics which relate to the work of Christian scholars and pastors.

LIBRARIES.

The number of volumes in the Institute and University Libraries—the one for daily working use and the other for free reference—is about fifty thousand.

Reading-rooms are connected with both, and supplied with the important dailies, weeklies, monthlies, and quarterlies in general and theological literature.

LITERARY SOCIETIES.

The Literary Department of the Institute Christian Association aims to stimulate theological and literary studies by exercises in composition, criticism, and extemporaneous speaking.

The Missionary Department of the Institute Christian Association seeks, by its weekly meetings and by occasional public meetings and lectures by returned missionaries and others, to promote information on Home and Foreign Missions, and to keep alive the missionary spirit among the students.

BUILDINGS.

Heck Hall.—The rooms in Heck Hall are in suites, consisting of study, bed-room, and wardrobe, and are furnished with tables, book-cases, bureaus, stands, chairs, bedsteads, and mattresses. Students supply their own pillows, pillow-cases, sheets, bed-coverings, towels, crockery, and small articles.

Memorial Hall.—The Memorial Hall contains a large chapel, library, and reading-room, six lecture-rooms, with private rooms for professors, and a fire-proof vault for valuable books and papers. Both halls are heated by steam.

FINANCIAL AID.

Young men who have learned to earn and save money often work their way unaided through college and the theo-

logical school. The means of self-help in and around Evanston are but casual; yet a truly earnest and persevering student, with tact and helpfulness, many times finds, and even creates, opportunities for himself. To these help is rendered as far as practicable. Some sixty or seventy appointments have been made available to competent preachers among the students. Circumstances require that promises of aid be made with caution, and to the extent only of the ability to meet them. The institution covets consecrated young men who never quail in the presence of difficulties, and in every practical and useful way its aim is to aid them. The Board of Education of the Methodist Episcopal Church, located at New York, renders very efficient help by its judicious system of loans.

The Sarah Stewart Fund, yielding four hundred dollars a year, is for the benefit of approved candidates for missionary fields.

EXPENSES.

Tuition and room-rent are free of charge to regularly entered theological students. When occupying a room in Heck Hall, each student is charged an incidental fee of twenty dollars, payable half-yearly in advance, for curator's service, fuel for public rooms, and general repairs. When not occupants of Heck Hall, students pay (half-yearly in advance) a fee of five dollars a year.

NOTE.—Rooms in Heck Hall not occupied by regularly entered theological students can be used (subject to rules for conduct and residence) by students recommended for the ministry, who are connected with any of the departments of the University, and who intend to take the theological course in this institution, on condition that each occupant of a room pay thirty dollars a year, half-yearly in advance.

For further information and special circular relating to the Garrett Biblical Institute, address Charles J. Little, D.D., LL.D., Evanston, Ill.

NORWEGIAN-DANISH THEOLOGICAL DEPARTMENT.

A close relation has been established between Garrett Biblical Institute and the Norwegian-Danish Theological School, located at Evanston, under the principalship of the Rev. Nels E. Simonsen, A.M., D.D. By this arrangement the students of the Norwegian-Danish Department may take the entire course of study of the Institute, substituting instruction in one or more branches in their own tongue under Principal Simonsen. Upon the satisfactory completion of the course thus pursued, they will be graduated from the Institute. This department is established to prepare men for the ministry among the Norwegian and Danish people, and offers its students an opportunity to pursue their theological studies in the English and Norwegian and Danish languages. The course of study extends through three years. Oral and written examinations are held at the close of each year, and those who complete the entire course in the Norwegian-Danish language are granted a certificate. Students are received on the recommendation of their respective conferences. A commodious and substantial building, containing dormitories and a dining-hall, has been erected by the Norwegian and Danish people for the use of students of this department.

Those desiring information respecting the Norwegian-Danish Department should address Rev. Nels E. Simonsen, D.D., Evanston, Ill.

SWEDISH THEOLOGICAL SEMINARY.

This school of theology began its work in 1870 at Galesburg, Ill. In 1882 it attained a permanent home in Evanston, Ill., where it is now established in a commodious building, and where facilities exist for obtaining access to the different departments of the University. It is under the supervision of the four Swedish Conferences in the United States.

It is the only school of its kind in the Methodist Episcopal Church, and from its ranks of students preachers are sent out to nearly every State in the Union. More than one hundred ministers have been educated in the school since its

beginning, and are laboring faithfully in different parts of the country.

The aim of this school is to do practical work in helping men toward success in the ministry. It was called into existence to meet the urgent and increasing demands for educated pastors and missionaries among the Swedish population in the United States, which numbers more than a million souls. Its course of study is broad and practical; its ideals are high; its work is thorough; its methods are systematic, clear, and simple.

The Seminary is supported by the income from an educational fund, collected mainly among the Swedish Methodist churches in the Northwest.

The regular course of study in the seminary requires four years. The students' progress in their studies is determined by examination, both written and oral; and after a satisfactory completion of the full course they receive the Seminary diploma. There is no charge for tuition.

Students are received on the recommendation of their respective Quarterly Conferences.

Those desiring information respecting the Swedish Theological Seminary should address Rev. Albert Ericson, A.M., D.D., Evanston, Ill.

SCHOOL OF ORATORY.

A School of Oratory, on the same grounds as the University, and under separate responsible management, offers approved advantages to students wishing to pursue a course of instruction in elocution with subsidiary studies. Circulars will be sent on application to the director, Prof. R. L. Cumnock.

PREPARATORY SCHOOLS.

A majority of the students of the College of Liberal Arts, come from high schools or academies in different sections of the country. Two schools of preparatory instruction are maintained by the University.

1. The Academy in Evanston, a school with complete organization, faculty of instruction, and equipment.

2. The Grand Prairie Seminary of Onarga, an institution long established and favorably known, which has lately come under the management of the University.

Both of these schools are administered in close affiliation with the University. The course of instruction in each is adjusted to the requirements for admission to college as set forth in this catalogue. Requests for information or circulars should be addressed to the principals of the respective schools.

CATALOGUE OF STUDENTS

FOR

THE YEAR 1901–1902.

COLLEGE OF LIBERAL ARTS.

FELLOWS.

Baker, John Clark, *Physics and Mineralogy*, *Springfield, Mo.*
A.B., Northwestern University, 1901.

Howard, Arthur Day, *Zoölogy*, *Glencoe.*
B.S., Amherst College, 1898; M.S. Northwestern University, 1900.

Melville, Carey Eyster, *Mathematics*, *Wilmette.*
A.B., Northwestern University, 1901.

Porter, Royal Arthur, *Physics*, *Macomb.*
B. S., Northwestern University, 1901.

Tayler, Mary Ellen, *Botany*, *Green Bay, Wis.*
B.S., Northwestern University, 1900.

Terry, Arthur Guy, *History*, *Evanston.*
Ph.B., Northwestern University, 1901.

CANDIDATES FOR ADVANCED DEGREES, AND OTHER RESIDENT GRADUATES.

Aderhold, Thomas Maze, *Pathology*, *Valley Falls, Kan.*
B. S., Washburn College, 1896.
M. D., Northwestern University, 1901.

Asher, Walter Simpson, *History*, *Hutchinson, Kan.*
A.B., Northwestern University, 1895.

Balmer, Helen Clark, *English Language*, *Chicago.*
A.B., Vassar College, 1876.

Bedford, Edgar Alden, *Zoölogy*, *Chicago.*
B.S., Ohio Wesleyan University, 1895.

Bodwell, Jessie Winnifred, *English Literature*, *College Springs, Ia.*
B.S., Amity College, 1899.

Bodwell, Mell Pierce, *English Literature*, *College Springs, Ia.*
B.S., Amity College, 1899.

Buntain, Cassius M. Clay, *Law*, *Momence.*
A.B., Northwestern University, 1899,

Gazzolo, Victoria, *French*, *Chicago.*
B.S., Northwestern University, 1901.

Greenlaw, Edwin Almiron, *Philosophy*, *Evanston.*
A.B., Northwestern University, 1897.

Handy, Helen Marshall, *History*, *Evanston.*
Ph.B., Northwestern University, 1901.

Hansen, Herbert Conrad, *German*, *Chicago.*
Ph.B., Northwestern University, 1901.

Haugan, Otto Martin, *Political Economy.* *Chicago.*
A.B., Minnesota State University, 1896.

Hoag, Ernest Bryant, *Pathology*, *Evanston*
B. S., Northwestern University, 1892; A.B., Leland Stanford, Jr., 1894.

Hunting, Edith Stevens, *Pedagogy*, *Chicago.*
A.B., Northwestern University, 1901.

Keller, William Jacob, *Greek*, *Chicago.*
A.B., Northwestern University, 1900.

Knox, Susan Mixter, *English Literature*, *Wilmette.*
A.B., Northwestern University, 1901.

Layton, Edgar Nelson, *Bacteriology*, *Montrose, Col.*
A. B., Colorado College, 1900.

Machesney, William Nelson, *Chemistry*, *Grant Park.*
A.B., Northwestern University, 1899.

Minear, Augustus Clay, *Physics*, *Kilbourn, Ia.*
A.B., Iowa Wesleyan University, 1898.

Neiglick, Elsa, *German*, *Chicago.*
Ph.B., Northwestern University, 1901.

Rawll, Ruby Eleanor, *History*, *Chicago.*
A.B., Northwestern University, 1901.

Rodgers, Wesley Parker, *Mineralogy*, *Penticton, B. C.*
A.B., Washington and Jefferson College, 1898.

Royse, Clarence Dille, *Philosophy*, *Rensselaer, Ind.*
A.B. and S. T. B., DePauw University, 1897.

Sargent, Carla Fern, *History*, *Evanston.*
A.B., Northwestern University, 1895.

Schreiber, Thomas, *German*, *Potter, S. Dak.*
Ph.B., Northwestern University, 1901.

Scott, Jennie Neill, *Greek*, *Evanston.*
A.B., Northwestern University, 1900.

Thayer, Effie Ellen, *Zoölogy*, *Evanston.*
B.S., Northwestern University, 1901.

Thayer, Jane Esther Constance, *Botany*, *Evanston.*
B.S., Northwestern University, 1901.

Thompson, Mary Edith, *Latin*, *Evanston.*
Ph.B., Northwestern University, 1900.

Tompkins, Ginevra Freeman, *Latin*, *Evanston.*
A.B., Northwestern University, 1896.

Truby, Franklin Jesse, *Physics*, *Maple Park.*
A.B., Northwestern University, 1901.

Welsh, John Wallace, *English Literature*, *Evanston.*
A.B., Northwestern University, 1901.

Williams, Abbie Florence, *English Language*, *Evanston.*
B.L., Northwestern University, 1901.

Wilson, Robert Edward, *Mathematics*, *Evanston.*
Ph.B., Northwestern University, 1898.

Wright, Cyrus Ames, *History*, *Bardolph.*
A.B., Northwestern University, 1899; A.M., Northwestern University, 1901; B.D., Garrett Biblical Institute, 1901.

NON-RESIDENT GRADUATES.

Aylesworth, William Wild, *History*, *Norwood, Mich.*
A. B., Northwestern University, 1894.
Caraway, Blanche, *History*, *Tuscola.*
B.L., Northwestern University, 1889.
Fisher, Henry Benedict, *History*, *Rushville.*
A.B., Northwestern University, 1896.
Frizzelle, Jacob Wellington, *History*, *Rock Island.*
A.B., Northwestern University, 1885; M.A., Northwestern University; B.D., Drew Seminary.
Potter, James, *Philosophy*, *Lyndon.*
A.B., Northwestern University, 1895.
Ross, Isabella, *English Language*, *Lake Bluff.*
Ph.B., Northwestern University, 1883.
Smith, Elda Louisa, *Mathematics*, *Springfield.*
A.B., Northwestern University, 1901.
Woolbert, Charles Henry, *English Language*, *Aurora.*
A.B., Northwestern University, 1900.

CANDIDATES FOR A BACHELOR'S DEGREE.

Abels, Margaret Hutton	A.B. 106	*Chicago.*
Albaugh, Ida McKay,	A.B. 30	*Chicago.*
Alcock, Nathaniel,	B.S. 52	*Platteville, Wis.*
Allen, Harry Irwin,	B.S. 37	*Huntington, Ind.*
Allen, Kate	Ph. B.	*Duluth, Minn.*
Ammon, Katherine Leland,	Ph.B. 14	*Hiawatha, Kan.*
Anderson, Albin Garfield,	Ph.B. 26	*Chicago.*
Anderson, Axel Walfrid,	B.S. 86	*Evanston.*
Anderson, Earle Clyde,	Ph.B.	*Woodstock.*
Anderson, Jennie Matilda,	Ph.B. 115	*Evanston.*
Anderson, Sigurd Edward,	A.B. 29	*Manistee, Mich.*
Angier, Dana Foss,	B.S. 68	*Beardstown.*
Arnold, Florence Winifred,	Ph.B.	*Wilmette.*
Arnold, Gladys,	Ph.B.	*Wilmette.*
Atchison, Robert Hall,	A.B. 42	*Elgin.*
Axtell, Warren Foss,	A.B.	*Freeport.*
Ayer, Wentworth Prescott,	B.S	*Kewanee.*
Baird, Malcolm Heston,	A.B. 112	*Evanston.*
Baird, Robert Wilson,	A.B. 15	*Evanston.*
Baker, Josiah Andrews,	B.S.	*Evanston.*
Balmer, Edwin,	A.B. 102	*Chicago.*
Balmer, Julius Pratt,	A.B.	*Chicago.*

Barnes, Io,	B.L.	103	*Duluth, Minn.*
Barnes, John,	A.B.		*Paisley, Ontario.*
Barrows, Ellen Percy,	Ph.B.	48	*Lorain, Ohio.*
Bayne, Lillian Florence,	B.S.	103	*Mendon.*
Beardslee, Sadie,	Ph.B.	93	*Prophetstown.*
Becknell, Guy Gaillaird,	B.S.	51	*Goshen, Ind.*
Bell, Eugene Whiteman,	B.S.	78	*St. Joseph.*
Bell, George Irving,	B.S.	50	*Channahon.*
Bellinghausen, Mona Constance,	B.S.	35	*Chicago.*
Benedict, Aura McEwen,	B.S.	75	*Shelby, Ia.*
Benham, Alice Marie,	B.S.	102	*Rockford.*
Beveridge, Margaret Helen,	B.S.	14	*Sandwich.*
Biddle, Jacob Adney,	B.S.	42	*Middleton, Mich.*
Bindhammer, Frederic Leighton,	B.S.		*Chicago.*
Blair, Charles Scofield,	A.B.	16	*Monica.*
Blair, Herbert Francis,	B.S.		*Oak Park*
Blake, Wallace Herbert,	B.L.	66	*Evanston.*
Blu, Elmer Francis,	B.S.	11	*Milford.*
Bolster, Grace Nye,	Ph.B.	9	*Chicago.*
Booth, Reuben Fletcher,	Ph.B.	78	*Evanston.*
Booth, William Claude,	A.B.	73	*Coal City.*
Bovey, Richard Clute,	B.S.		*Dixon.*
Bozarth, Mary Amanda Ann,	A.B.		*Knox, Ind.*
Bragdon, Charles Ridgaway,	B.S.	18	*Evanston.*
Brandt, Eddy Sandford,	B.S.		*Chicago.*
Brewrink, John Edward,	Ph.B.	110	*Blanchard, Ia.*
Briggs, Charles Alfred, Jr.,	B.S.		*Genoa.*
Briggs, George Weston,	B.S.	102	*North Branch, Mich.*
Broaddus, Charles Alexander,	B.S.		*Plano.*
Bronson, Edna Myrene,	A.B.	112	*Evanston.*
Bronson, Elizabeth Gertrude,	B.L.	46	*Evanston.*
Brower, Veva May,	B.S.	39	*Seaford, Del.*
Brown, Arlo Ayres,	A.B.	76	*Kewanee.*
Brown, Harry Hamilton,	B.S.	80	*Chicago.*
Brown, Parke Warren,	B.L.	47	*Chicago.*
Browning, Wayne Ferris,	B.S.		*Mt. Carroll.*
Bucknam, Mary Lizzie,	Ph.B.	70	*Warren.*
Burke, Harold Webster,	A.B.	103	*Chicago.*
Burke, Ralph Haney,	B.S.	43	*Chicago.*
Burr, Sarah Elizabeth,	Ph.B.	80	*Grand Forks, N. D.*
Buswell, Ina Lilian,	B.S.		*Polo.*
Campbell, Alice,	B.S.	79	*Chicago.*

Campbell, Arthur William,	Ph.B.		*Coal City.*
Campbell, Fannie,	Ph.B.		*Coal City.*
Campbell, Ira Robert,	Ph.B.	102	*Durand.*
Campbell, Robert James,	A.B.	102	*Wichita, Kan.*
Capron, Mary Louise,	B.S.		*Freeport.*
Carlson, Alma Sophia,	Ph.B.	124	*Evanston.*
Carman, Gertrude Marie,	Ph.B.		*Waukegan.*
Carney, Byron Gordon,	A.B.		*Sibley.*
Cater, George Henry,	B.S.	105	*Libertyville.*
Cater, Hannah Louise,	Ph.B.	47	*Libertyville.*
Chandler, Henry A. Ernest,	B.S.		*Minneapolis, Minn.*
Chappell, Stella Aletta,	A.B.	41	*Sioux Falls, S. D.*
Chappell, Winnie Leola,	Ph.B.	80	*Sioux Falls, S. D.*
Churchill, Frank Herbert,	B.S.		*Chenoa.*
Clemens, Ellen Fatima,	B.S.	69	*West McHenry.*
Clements, Louis,	Ph.B.	99	*Danville.*
Cleveland, Perry Harrison,	B.S.		*Payson.*
Cole, Fay Cooper,	B.S.	68	*Los Angeles, Cal.*
Comings, Mary Huntington,	B.S.	60	*St. Joseph, Mich.*
Cook, Isabel,	B.S	15	*Chicago.*
Cook, Mabel Elizabeth,	A.B.	77	*Plano.*
Corkell, Marguerite Aileen,	A.B.	67	*Chicago.*
Cox, Guy Henry,	B.S.		*Evanston.*
Cox, Jessie Uretta,	A.B.	18	*Evanston.*
Craig, Blanche Rollins,	Ph.B.	32	*Omaha, Neb.*
Crawford, Wilson Martyn,	A.B.	95	*Columbus Grove, O.*
Crouse, Edna Davis,	B.S.	107	*Evanston.*
Crumpacker, Shepard J.,	B.S.	103	*Westville, Ind.*
Curme, Herta,	B.S.	13	*Evanston.*
Currer, Mabel,	B.S.		*Evanston.*
Currey, Rachel,	A. B.	15	*Evanston.*
Dapper, Emma Elizabeth,	Ph.B.	89	*Quincy.*
Davenport, Carl Djalma,	B.S.	56	*Creston, Ia.*
Davenport, Kenneth Howard,	A.B.	62	*Creston, Ia.*
Davenport, Ora Belle,	Ph.B.		*Creston, Ia.*
Davis, Percy Roland,	A.B.	67	*Chicago.*
Decker, Mabel Adams,	Ph.B.	47	*Chicago.*
Delay, Edith Idella,	B.S.	67	*Chebanse.*
Dennett, Edith,	Ph.B.	64	*Evanston.*
Dennis, Roger Lee,	B.S.	80	*Traer, Ia.*
Derby, Eva Jane,	A.B.	17	*Murdock.*
Derby, Horace Mann,	A.B.	18	*Murdock.*
Derickson, Lucy Adele,	B.S.	47	*Kenilworth.*
Dibert, Walter Sherman,	A.B.		*Garrett, Ind.*

Dickey, Charles James,	A.B.	71	*Evanston.*
Dickson, Helen Sarah,	B.L.	49	*Evanston.*
Dietz, Cyrus Edgar,	Ph.B.	94	*Gilman.*
Dildine, Harry Glenn,	A.B.	80	*Dildine, Mich.*
Dixon, Frank Eugene,	B.S.	16	*Ambia, Ind.*
Donaldson, Addie Lenore,	Ph.B.		*Aurora.*
Doney, Harriet Mae,	Ph.B.		*Canton.*
Doty, Eleanor Stranahan,	A.B.	53	*Warren, Pa.*
Dundee, Helen Mary,	A.B.		*Chicago.*
Dunlap, Ralph VanBuren,	B.S.		*Evanston.*
Durham, Harriet Babcock,	B.L.	74	*Onarga.*
Edworthy, Betuvia Vickery,	A.B.		*Solomon, Kan.*
Elliott, Arthur James,	B.S.	92	*Kankakee.*
Ellis, Cora Belle,	Ph.B.	46	*Lexington.*
Ellis, Edwin Erastus,	Ph.B.	52	*Evanston.*
Elmquist, Axel Louis,	A.B.	15	*Chicago.*
Ely, Harriott Belle,	Ph.B.	105	*Berwyn.*
English, Myrtle Dawn,	Ph.B.		*Lexington.*
English, Oliver Atwood,	B.S.	16	*Robinson.*
Enwall, Hasse Octavius,	Ph.B.	109	*Evanston.*
Fahs, Helen May,	Ph.B	107	*Kirkland, Wash.*
Falley, Eleanor Worthington,	B.S.	16	*Evanston.*
Faulkner, John Porcius,	B.S.		*Glencoe.*
Ferris, Mabel Vaughn,	Ph.B.	35	*Berwyn.*
Fisher, Sallie Martha,	B.S.		*Bucyrus, O.*
Flack, Lottie,	Ph.B.	37	*Joliet.*
Fleager, Harry Anderson,	B.S.	56	*Sheldon.*
Fletcher, Charles Edwin,	B.S.		*Lisbon.*
Foster, Amelia Jeannette,	B.S.	77	*Chicago.*
Foudray, Elbertie,	A.B.	95	*Evanston.*
Frey, Eugene,	Ph.B.	21	*Brookville.*
Friend, Lillian Samuel,	B.S.		*Evanston.*
Friend, Robert Owen,	B.S.		*Evanston.*
Frye, Milton,	A.B.		*Shannon.*
Fulcher, Gordon Scott,	B.S.	16	*Evanston.*
*Gale, Myrtle Chattie,	B.S.		*Rockford.*
Gallup, H. Victor,	A.B	15	*Austin.*
Ganster, Howard Elwood,	Ph.B.		*Dayton, O.*
Gates, Arthur Lorenzo,	A.B.	86	*Lena.*
Gates, Jessie Maude,	Ph.B.	58	*Winona, Minn.*
Gates, Lloyd Franklin,	A.B.		*Garrett, Ind.*
Gazlay, William Soaper,	A.B.		*Chicago.*
George, Albert Edward,	Ph.B.	100	*Dexter, Ia.*

*Deceased.

George, James William,	A.B	16	*Fulton.*
Gilruth, Genevieve,	Ph.B.	17	*West Plains, Mo.*
Gilruth, Henry Augustus,	A.B.		*West Plains, Mo.*
Girton, Daisy Myrtle,	Ph.B.	15	*Madison, S. D.*
Gold, Florence Louise,	Ph.B		*Big Stone City, S. D.*
Gooch, Rhoda May,	B.S.	90	*Evanston.*
Goodrich, Ethel Leota,	Ph.B.	107	*Braidwood.*
Graeser, Charles Frederic,	B.L.	50	*Evanston.*
Green, Charles Henry,	B.S.	102	*Freeport.*
Green, Ida Grace,	Ph.B.		*Evanston.*
Green, John Albert,	B.S.		*Rockford.*
Greenman, Almon Ansel,	B.S.	43	*Buenos Ayres, S. A.*
Greenman, Emily Henrietta,	A.B.	34	*Buenos Ayres, S. A.*
Gsell, Earl Wilson,	B.S.	13	*Evanston.*
Haile, Charles Henry,	A.B.	15	*Evanston.*
Haist, Frederic William,	A.B.	90	*Evanston.*
Hall, Margaret Sidney,	Ph.B.	17	*McGregor, Ia.*
Hall, Victor Curtis,	Ph.B.	16	*Tuscola.*
Hamilton, Robert John,	B.S.	48	*Gardner.*
Hammond, Allen Odell,	Ph.B.	100	*Melita, Mich.*
Hanmer, Edward James,	B.S.	117	*Evanston.*
Hanson, Henry,	Ph.B.	100	*Lead City, S. D.*
Harbaugh, Harriet Elizabeth,	Ph.B.	104	*Joliet.*
Harden, Sarah Voorhees,	Ph.B.	102	*Onarga.*
Harris, Alfred Ernest,	B.S.		*England.*
Harris, Emily,	B.S.		*East Machias, Me.*
Harris, Hugh Henry,	Ph.B.		*Greenville, Mich.*
Harroun, George Levant,	B.S.	78	*Crescent City.*
Hart, Stephen Price,	A.B	95	*Austin, Minn.*
Harter, Minna Louise,	A.B.	9	*Chicago.*
Harwood, Lelia Woodbury,	Ph.B.	4	*Chicago.*
Hatfield, Florence Helen,	Ph.B.		*Indianola, Ia.*
Hauser, Cornelia Louise,	A.B		*Aberdeen, S. D.*
Hausser, Arthur Henry Marian,	B.S.	37	*Chicago.*
Hawkins, Ruth Rebecca,	B.S.		*Minneapolis, Minn.*
Heaps, Allison Ray,	B.S.	42	*Kewanee, Ill.*
Heilman, Mary Erskine,	B.S.		*Evansville, Ind.*
Heilman, William,	B.S.		*Evansville, Ind.*
Henderson, Robert Halsey,	Ph.B.	103	*Evanston.*
Heren, Mabel May,	B.S.	47	*Evanston.*
Herndon, Pearl Melvina,	B.S.		*Springfield.*
Hess, Herbert William,	A.B.	31	*St. Louis, Mo.*
Hill, Harry Oliver,	Ph.B.	109	*Bloomington.*
Hillman, Elizabeth Gaylord,	A.B.		*Evanston.*

Hinckley, Percy Porter,	B.S.		*Evanston.*
Hobbs, Ernest Samuel,	A.B.	68	*Canton.*
Hochbaum, Hedwig Hermine,	B.S.	42	*Chicago.*
Holcomb, Katherine Margaret,	Ph.B.		*Chicago.*
Holderness, Edna Louise,	B.S.	16	*Kenosha, Wis.*
Hollister, Francis Hiel,	B.S.	27	*Cambridge, N. Y.*
Holmes, Marion,	Ph.B.	119	*Evanston.*
Hooper, Retta Florence,	A.B.		*Chicago.*
Hoover, Elva Cora,	A.B.	33	*Evanston.*
Hornbrook, Margaret,	B.S.		*Evansville, Ind.*
Howell, Lillien Edna,	A.B.	106	*Kansas City, Mo.*
Hubbart, Oliver Sherman,	B.S.		*Monticello.*
Hulbert, Frances Diantha,	A.B.		*Chicago.*
Hurlbut, Edwin Ahnefeldt,	B.S.		*Chicago.*
Hutchings, William Theodore,	A.B.		*Chicago.*
Ickes, Mary Amelia,	Ph.B.		*Chicago.*
Int Hout, Corniel,	Ph.B.	48	*Oak Glen.*
Jackson, Edgar Starkey,	B.S.	57	*Blanchester, O.*
Jensen, Marie,	B.S.		*Chicago.*
Jewel, Jed Lake,	B.S.	97	*Chicago.*
Johns, Nelle Swannell,	Ph.B.	52	*Danville.*
Johnson, Anna Raymond,	Ph.B.	46	*Wilmette.*
Johnson, Charles John,	Ph.B.		*Evanston.*
Johnson, Earle Freeman,	A.B.	42	*Wilmette.*
Johnson, Francis James,	Ph.B.		*Box Grove, Ont.*
Johnson, Sidney Elmer,	Ph.B.		*Cornell.*
Johnson, William Richard,	Ph.B.		*Cornell.*
Jones, Lester Seamen,	B.S.		*Ashland, Neb.*
Jones, William Howell,	B.S.		*Joliet.*
Jordan, Oscar Joseph,	Ph.B.	11	*Pullman.*
Joslyn, Arthur Everett,	B.S.	52	*Marengo.*
Justice, James Caleb,	A.B.	17	*Evanston.*
Kafer, Henry Howard,	B.S.		*Glidden, Ia.*
Kanagy, Simon Menno,	B.S.		*Milroy, Pa.*
Kappelman, John Adam,	B.S.		*Evanston.*
Karn, Mary Edith,	A.B.		*Ortonville, Minn.*
Kays, Lucretia Garfield,	B.S.	75	*Evanston.*
Keator, Jeannette,	Ph.B.	11	*Polo.*
Keepers, George Spencer,	B.S.	37	*Gardner.*
Kelley, Walter Denman,	A.B.		*Cheyenne, Wyo.*
Keltner, Joseph Edward,	B.S.	47	*San Jose, Cal.*
Kerr, William Dunton,	A.B.	53	*Oak Park.*
Kimball, Dorr Edwin,	B.S.	16	*Evanston.*
Kincaid, Leslie Pearl,	Ph.B.	103	*Farmer City.*

Kindall, Hortense,	Ph.B.		*Onawa, Ia.*
Kinnison, Effie,	Ph.B.	72	*Goshen, Ind.*
Kipp, Julia Inez,	B.S.	43	*Wing.*
Kipp, Ray Bassett,	A.B.	111	*Wing.*
Kleihauer, Christian Frederick,	Ph.B.	48	*Chicago.*
Knott, Thomas Albert,	A.B.	107	*Chicago.*
Knox, Arthur Howell,	B.S.	112	*Evanston.*
Kulp, Victor Henry,	B.S.	15	*Chicago.*
Ladd, Edward Rixon,	A.B.	42	*Elgin.*
La Dow, Maude Fairbanks,	B.S.	15	*Orleans, Mich.*
Lane, James Lewis,	B.S.	52	*Warrensburg, Mo.*
Lane, Ruth Lillian,	Ph.B.		*Winona, Minn.*
Leburg, Helga Marie,	A.B.	76	*Chicago.*
Lee, Ray Elmer,	Ph.B.	70	*Maryville, Mo.*
Lewis, Eleanor Frances,	A.B.		*Chicago.*
Little, Mollie Brevoort,	B.L.	11	*Kankakee.*
Livermore, Margaret,	Ph.B.	52	*Evanston.*
Loew, Mina,	Ph.B		*Le Mars, Ia.*
Long, Edith Louise,	Ph.B.		*Koszta, Ia.*
Long, Eva Mary,	Ph.B.		*Pontiac.*
Low, Isabel Ruth,	Ph.B.	120	*Evanston.*
Luther, Clarence Job,	B.S.		*Evanston.*
Lyford, Lucy,	A.B.		*Port Byron.*
Lyon, Mary Mansfield,	Ph.B.	34	*Joliet.*
Manley, Mary Mariah,	B.S.		*Mt. Carmel.*
March, Ralph Cartwright,	Ph.B.	52	*Oregon.*
Martin, Maude Marguerite,	Ph.B.	35	*Newton.*
Mason, Carrie Edith,	A.B.	51	*Evanston.*
Massen, John,	A.B		*Avoca, Ia.*
Master, Mary Marguerite,	B.S.		*Big Rapids, Mich.*
Mathis, Daisy May,	B.S.	13	*Prophetstown.*
Mattison, Robert Spencer,	Ph.B.		*Evanston.*
May, William Green,	A.B.		*Macon, Ga.*
Mayr, Margaruite Johanna,	B.L.	90	*Chicago.*
McClinton, John Wesley,	A.B.	83	*Port Elgin, Ont.*
McConnell, Charles Percy,	B.S.	73	*Evanston.*
McDougal, Herbert,	Ph.B.	41	*Princeton, Mo.*
McGrath, Ada Pansy,	Ph.B.	11	*Blue Island.*
McKenney, Lelia Pearl,	B.S.	46	*Maquon.*
McLean, Nellie Elizabeth,	Ph.B.		*Princeton.*
McMichael, George Alexander,	Ph.B.	57	*N. Platte, Neb.*
McPherrin, Hugh Webster,	Ph.B.		*Kansas City, Mo.*
Mechem, Jessie Emma,	B.S.		*Ft. Smith, Ark.*
Meents, Walter Howard,	B.S.		*Ashkum.*

Melzer, Lulu Katie,	A.B.	109	*Glen View.*
Merrill, Ethel Louise,	A.B.	76	*Evanston.*
Merrill, Harvey Robert,	Ph.B.	62	*Evanston.*
Meyer, Anjulina Orillia,	Ph.B.		*Evanston.*
Miehle, Mabel Kathryn,	A.B.	16	*Chicago.*
Mies, Frank Peter,	B.S.	78	*Saunemin.*
Miles, Lois,	B.S.		*Corydon, Ia.*
Miller, Virginia Elizabeth,	A.B.		*La Crosse, Wis.*
Millizen, Ralph Waldo Emerson,	A.B.	46	*Sullivan.*
Milnes, Frank Jay,	B.S.	84	*Evanston.*
Moll, Benjamin Andrew,	B.S.		*Charles City, Ia.*
Monier, Roy Hughes,	Ph.B.		*Hopkins, Mo.*
Montgomery, Alice Maud,	A.B.	15	*Ireton, Ia.*
Moon, Faye Arnold,	Ph.B.		*Evanston.*
Moore, George Albert,	Ph.B.	102	*Evanston.*
Moore, Kathleen Mary,	B.S.		*Winnetka.*
Morris, Frank Ellis,	B.S.	34	*Evanston.*
Moss, Joseph Lincoln,	B.S.		*Chicago.*
Mueller, Hedwig Henriette,	B.L.	73	*Chicago.*
Murray, Florence Melissa,	Ph.B.		*Evanston.*
Myers, Walter Raleigh,	Ph.B.	77	*Harvey.*
Nash, Albert Henry,	A.B.	8	*Elizabeth.*
Negus, Lenore Latham,	Ph.B.	78	*Wilmette.*
Nehls, Arthur Louis,	B.S.		*Chicago.*
Newman, Frank Rogers,	A.B.	12	*Chicago.*
Nickell, Robin Aylmer,	A.B.		*Beatrice, Neb.*
Northrup, Edith Agnes,	A.B.	31	*Cullom.*
Norton, Harriet Gertrude,	Ph.B.	80	*Evanston.*
Nortrup, Scott Strickle,	Ph.B.		*Havana.*
Nugent, Thomas Edward,	A.B	78	*Marquette, Neb.*
Nuttall, John Tilden,	B.S.		*Flat Rock.*
Oldfield, William Alfred,	Ph.B.	114	*Chicago.*
Olgen, Amy Hedwig,	A.B.	47	*Chicago.*
Ordway, Kelsey Sanborn,	A.B.	38	*Readfield, Me.*
Owen, Festus Edward,	A.B.	107	*Mokena.*
Owsley, Alice Evelyn,	Ph.B.	41	*Syracuse, N. Y.*
Paarlberg, Mary,	Ph.B.	111	*Oakglen.*
Palmer, George Thomas,	B.S.		*Evanston.*
Park, May,	B.L.	105	*Goodland, Ind.*
Parker, Jessie Eugenia,	A.B.		*Trinidad, Col.*
Parkinson, George Hathaway,	Ph.B.	109	*Wichita, Kan.*
Partridge, Ethlyn Amelia,	A.B.		*Wolcott, N. Y.*
Paupa, Anna Katherine,	A.B.		*Chicago.*

Pearce, Bessie Gertrude,	B.S.		*Oswego.*
Pearce, Daisy Irene,	B.S.	17	*Oswego.*
Peck, David Billings,	B.S.	84	*Chicago.*
Peckumn, Eli Franklin,	B.S.	42	*Stuart, Ia.*
Peffly, Charles Clarence,	B.S.		*Chicago.*
Peters, Jessie Irene,	B.S.	63	*Chicago.*
Peterson, Louis Christiern,	B.S.	48	*Madison, Wis.*
Pierson, Ward Wright,	B.S.	103	*Wilmette.*
Platter, Matson Williams,	B.S.	66	*Chicago.*
Pollard, Naoma Willie,	A.B.	13	*Chicago.*
Pope, Merritt Nichol,	B.S.		*Minneapolis, Minn.*
Porter, Francis Gates,	B.S.	72	*Chicago.*
Porter, Jeannette Everett,	B.S.		*Freeport.*
Pratt, Ernest Larned,	A.B.	106	*Evanston.*
Putnam, Karl Freddric,	B.S.	88	*Mt. Carmel.*
Raeder, Louise Wilhelmine,	B.S.	14	*Evanston.*
Rarig, Arthur,	B.L.	44	*Minneapolis, Kan.*
Rarig, Frank Miller,	A.B.		*Minneapolis, Kan.*
Rawlins, Frances Christine,	A.B.	120	*Warren.*
Raymond, Mary,	Ph.B.	46	*Evanston.*
Rea, Harry Andrew,	A.B.	106	*Chicago.*
Ream, Albert Louis,	B.S.	28	*Hampshire.*
Reed, Luella,	B.S.		*Decatur.*
Reed, William John,	B.S.	12	*Glenview.*
Reed, Walter Wilson,	Ph.B.		*Waco, Kans.*
Reeves, Carrie Luella,	B.S.		*Chicago.*
Richards, Florence Louise,	Ph.B.	77	*Evanston.*
Riley, Garfield William,	A.B.		*Dayton, O.*
Rippeteau, Olive May,	A.B.		*Jamestown, Ind.*
Robinson, John Wendell,	B.S.	49	*Evanston.*
Roeder, Edward Michael,	Ph.B.		*Keokuk, Ia.*
Rogers, Oliver Morton,	B.S.		*Dixon.*
Rogers, Stella May,	Ph.B.		*Oak Park.*
Romans, John Brown,	Ph.B.	34	*Denison, Ia.*
Rosenberry, Edgar Harrison,	A.B.		*Atkinson's Mills, Pa.*
Ross, James A., Jr.,	Ph.B.		*Muncie, Ind.*
Rostock, Benjamin Franklin,	Ph.B.	94	*Oregon, Mo.*
Russel, Maude,	B.S.		*Ottawa, Kan.*
Ryden, Otto Gustaf,	Ph.B.	84	*Evanston.*
Sabin, Charles Gilbert,	B.S.	49	*Evanston.*
Sampson, Laura Belle,	Ph.B.		*Chicago.*
Sanders, Albert David, Jr.,	B.S.	102	*Evanston.*
Sanford, Arthur Hawley,	A.B.	50	*Milwaukee, Wis.*
Sargisson, Zaccheus Eugene,	Ph.B.		*Berwyn.*

Scheiner, Frank Harry,	Ph.B.	109	*Chicago.*
Schneerer, Mary Emmalina,	Ph.B.		*Norwalk, O.*
Schreiber, Charles Henry,	B.S.	64	*Potter, S. D.*
Schwingel, Theresia,	B.S.	57	*Chicago.*
Scott, Mary Rankin,	A.B.	108	*Harvey.*
Seabrook, Angelina Emily,	B.L.	120	*Chicago.*
Seager, Margaret Loretta,	B.S.	56	*St. James, Minn.*
Seaman, Anna Lucinda,	A.B.	46	*Momence.*
Seaman, Maud Tesmer,	A.B.	91	*Momence.*
Seed, Maurice Joy,	B.S.	103	*Sumner.*
Selzer, Frederick Isaac,	A.B.	105	*Evanston.*
Sexauer, John Arthur,	B.S.	30	*Port Washington, Wis.*
Sharp, Frances Margaret,	Ph.B.	106	*Warsaw, Ind.*
Shuman, Grace Ethel,	B.L.	107	*Evanston.*
Shurtleff, Alice Ethloine,	Ph.B.		*Wilmette.*
Siberts, Olive Ruth,	B.S.	18	*Mercedes, S. Am.*
Sierts, Nicholas,	Ph.B.	15	*Chicago.*
Sipek, Walter Frank,	A.B.	72	*Bohemia.*
Slocum, Helen Goudy,	Ph.B.	25	*Chicago.*
Smart, Gertrude Mills,	Ph.B.	31	*Payson.*
Smiley, Joseph Ernest,	B.S.	110	*Plainville.*
Smith, Arthur Hensley,	A.B.	110	*Chicago.*
Smith, Adelina Naomi,	A.B.	12	*Onargo.*
Smith, Elberta Thalia,	Ph.B.	77	*Springfield.*
Smith, Frank Eugene,	A.B.		*Maryville, Mo.*
Smith, Frank Oscar,	A.B.		*Ransom.*
Smith, Harriet Evalyn,	A.B.	15	*Quincy.*
Smith, Helen,	B.S.	42	*Wooster, O.*
Smith, Henman Bressee,	B.S.	95	*Coal City.*
Smith, Horace Greeley,	A.B.	49	*Ransom.*
Smith, Mildred Alola,	Ph.B.	34	*Westville, Ind.*
Smith, Walter J.,	B.S.	97	*Waukegan.*
Smoot, Harry Edward,	A.B.		*Petersburg.*
Smoot, Marshall Anderson,	B.S.		*Petersburg.*
Sommer, Minnie,	B.S.		*Chicago.*
Spence, Bartholomew John,	B.S.	16	*Chicago.*
Spencer, Flora Viola,	A.B.		*Chicago.*
Spencer, Frank Edwin,	B.S.	16	*Centralia.*
Sproul, Hester May,	B.S.	30	*Elgin.*
Stahl, Charles Edward,	A.B.	97	*Chicago.*
Sterrett, Marion,	Ph.B.	59	*Washington, Pa.*
Stevens, George Marsden,	Ph.B.	16	*Chicago.*
Stevens, William Blue,	Ph.B.	16	*Chicago.*
Stevenson, Olla,	B.L.	109	*Nebraska City, Neb.*

Stewart, Eva May,	Ph.B. 80	*Evanston.*
Stewart, George Craig,	Ph.B.	*Evanston.*
Stickle, Charles Edwin,	A.B.	*Chicago.*
Stotler, Edwin John,	B.S. 41	*Evanston.*
Stowe, Ancel Roy,	A.B. 14	*Chicago.*
Stowe, Esther Louisa,	B.S. 89	*Fort Dodge, Ia.*
Strickler, Myrtle Ruth,	B.S.	*Lanark.*
Struggles, Eva,	Ph.B. 107	*Winnetka.*
Summerville, Ralph Waldo Emerson,	B.S. 83	*Evanston.*
Sutter, Minnie May,	B.L. 105	*Chicago.*
Swan, Henry Marcus,	Ph.B. 101	*Scandia, Kan.*
Sweeney, Susan Sanders,	Ph.B. 16	*Rushville.*
Sweitzer, Harry Ellsberth,	Ph.B. 105	*Evanston.*
Sykes, Annie Ethel,	Ph.B.	*Beverly.*
Takken, Edward Ebert,	B.S.	*Chicago.*
Taylor, Albert Hoyt,	B.S.	*Agri. Col., Mich.*
Taylor, Lawyer,	B.S. 75	*Evanston.*
Tedrick, Edna Murriel,	A.B. 33	*Morris.*
Thomas, Cecil Elizabeth,	B.S. 102	*Decorah, Ia.*
Thomas, Emma Jane,	B.S.	*Chicago.*
Thomas, Lillian Daisy,	B.L. 64	*Denver, Colo.*
Thompson, Sadie Albia,	Ph.B. 107	*Evanston.*
Tilroe, George Staley,	A.B. 70	*Robinson.*
Townsend, Oliver Otis,	B.S. 104	*Sandwich.*
Triggs, Alpheus Webster,	A.B. 12	*Rock Falls.*
Truby, Estella May,	B.S.	*Maple Park.*
Tullis, Lela Dell,	Ph.B.	*Henry.*
Twining, Granville Howard,	B.S.	*Des Moines, Ia.*
Tyson, Anna May,	A.B. 74	*Chicago.*
Ullrick, Delbert Sylvester,	A.B. 102	*Carson City, Nev.*
Ullrick, Laura Foster,	A.B. 78	*West Lebanon, Ind.*
Ulmer, Sarah Delia,	A.B.	*LaGrange, Ind.*
Van Deventer, James Fred,	A.B.	*Farmer City.*
VanPelt, Roscoe Samuel,	A.B 43	*Monmouth.*
Van Petten, Harry,	Ph.B. 38	*Kankakee.*
Vaughan, Etta Lucy,	B.S. 46	*Odell.*
Vaughan, John George,	Ph.B.	*Chicago.*
Vollmer, Winfred William,	A.B. 15	*Evanston.*
Wadden, Mary,	Ph.B. 115	*Madison, S. D.*
Wakeman, Olin Alonzo,	B.S. 17	*Chicago.*
Ward, Sidney George,	B.S. 20	*Evanston.*
Ward, Stanley,	A.B. 114	*Evanston.*
Warrington, Isabel Ormiston,	Ph.B. 40	*Malden.*

Watkins, Axie Dell,	B.S.		*Petersburg.*
Watson, Mildred,	B.S.		*Minooka.*
Wax, Margaret Valentine,	A.B.		*Barclay.*
Weese, Harry Ernest,	B.S.	97	*Huntington, Ind.*
Welch, Anna,	B.S.	72	*Evanston.*
Welch, Ida,	A.B.	101	*Evanston.*
West, Frank Harry,	A.B.	104	*Loda.*
Whipple, Jennie Gross,	Ph.B.		*Genoa.*
White, Anna David,	B.L.		*Chicago.*
White, Bertha Maud,	Ph.B.	30	*Chicago.*
White, Jennie Bethany,	A.B.		*Princeton.*
Whitney, Henry James,	B.S.		*Independence, Ia.*
Wilcox, Edna Caroline,	B.S.		*Minonk.*
Wiley, William Robert,	A.B.		*Evanston.*
Williams, David Irwin,	B.S.	113	*Evanston.*
Williams, Everett Benson,	B.S.	48	*Chicago.*
Williams, Eliot Churchill,	Ph.B.		*Evanston.*
Williams, Horace Blake,	A. B.	129	*Waupoose, Ont.*
Williams, Noah, Jr.,	B.S.		*Ida Grove, Ia.*
Willson, Royal Andrew,	B.S.	15	*Tallula.*
Window, Amelia Thompson,	B.S.	14	*Evanston.*
Wolff, John Frederick,	B.S.	35	*Evanston.*
Woodley, Ruth Anne,	B.S.	76	*Evanston.*
Woods, George Benjamin,	A.B.	64	*South Bend, Ind.*
Woolson, Ruth,	Ph.B.	109	*Des Moines, Ia.*
Work, James Amos, Jr.,	B.S.		*Elkhart, Ind.*
Work, Ruth Emma,	Ph.B.	34	*Elkhart, Ind.*
Wright, Ida Faye,	B.L.	47	*Evanston.*
Wynekoop, Gilbert Haven,	B.S.	74	*Evanston.*
Yoshioka, Ghen-ichiro,	Ph.B.	106	*Japan.*
Young, Frank Davis,	Ph.B.	4	*Denison, Ia.*
Zaumbrecher, Elsie,	B.S.	76	*Evanston.*
Zilisch, Ina,	B.L.	100	*Mayville, Wis.*

NOT CANDIDATES FOR A DEGREE.

Adams, Selden Connor,	*Chicago.*
Allen, Jessie Isabella,	*Watertown, S. D.*
Andrews, Daisy Ida,	*Salmon, Idaho.*
Baker, James Edward,	*Springfield, Mo.*
Baldwin, Florence Gertrude,	*Chicago.*
Balmer, Helen Ruth,	*Chicago.*
Beggs, George Erle,	*Ashland.*
Bemis, Harold Edward,	*Cawker City, Kan.*
Blake, Emmons Reed,	*Chicago.*

Boner, Elizabeth,	*El Paso.*
Brown, Sarah Juliet,	*Elgin.*
Calkins, Loring Gary,	*Evanston.*
Carrol, Charles Eden,	*Sioux City, Ia.*
Chidester, Eva Maud,	*Evanston.*
Clarkson, Mabel Lucile,	*Sterling.*
Cocayne, Alonzo Vincent,	*Kossuth, Ia.*
Conover, Jay Lansing,	*Huntley.*
Corrie, Roy Alman,	*Isabel, Kan.*
Creek, Bertha,	*Olney.*
Davidson, Frederick Arthur,	*Batavia, Ia.*
Davis, Oliver Colonel,	*Du Quoin.*
Dewar, Elsa,	*Chicago.*
Dithmer, Elizabeth Sevegrene,	*Evanston.*
Ensor, Guy,	*Savannah, Mo.*
Erwin, Charles Fay,	*Harbor Springs, Mich.*
Everett, Mary Isabel,	*Des Moines, Ia.*
Fargo, Rowena,	*Evanston.*
Fisher, Fred Philip,	*Waterloo, Ia.*
Flaningam, Militus Lafayette,	*Potomac.*
Follet, Fred Kellogg,	*Libertyville.*
Follet, Harold Weston,	*Libertyville.*
Furness, Jessie Louise,	*Furnessville, Ind.*
Gilchrist, Mabel Ethlind,	*Strawberry Point, Ia.*
Goetzman, Beatrice Bellknap,	*Boone, Ia.*
Grove, Etta Priscilla,	*Onarga.*
Gullett, Eugene Randolph,	*Lincoln.*
Hall, Ora Loftin,	*Palermo.*
Hallam, Joseph,	*Albion.*
Hamilton, Harry David,	*Chicago.*
Hanson, David Thomas,	*Tuscola.*
Hargrave, Margaret Douglas,	*Baraboo, Wis.*
Hawver, Carrie May,	*Waterloo, Ia.*
Hazelton, Jessie Lucia,	*Chicago.*
Hemphill, Ethel,	*Dexter, Ia.*
Hendryx, Anna Harrison,	*Sauk Center, Minn.*
Horton, Lewis Ray,	*Littleton.*
Hurford, Blanche,	*Glencoe.*
Illsley, Harriet Mather,	*Evanston.*
Johnson, Mary Helen,	*Ft. Madison, Ia.*
Johnston, Isabel McElheny,	*Evanston.*
Klinefelter, Grace Amelia,	*Belle Plaine, Ia.*
* Knox, Clarence Bunyan,	*Evanston.*

* Deceased.

Lea, Henry Isaac,	*Madison, Wis.*
Loba, Julie Bradley,	*Evanston.*
MacHarg, Katharine,	*Chicago.*
Manson, Egbert Frank,	*Evanston.*
Matthew, William Oscar,	*Blue Mound.*
McCornack, Margaret M.,	*Traer, Ia.*
McKee, Beula Clare,	*Evanston.*
McKinney, Fred Landin,	*Piqua, O.*
McNulty, Georgia Ella,	*Chicago.*
Merubia, Moisés,	*Iquique, S. Am.*
Oettiker, Lenice Eugenia,	*Platteville, Wis.*
Paddock, Louis Morton,	*Prophetstown.*
Parker, Ralph Dwight,	*Gilman.*
Perdue, Mentor Josias,	*Opolis, Kan.*
Pledger, Clifton Pryor,	*Evanston.*
Philp, Leon Hacker,	*Polo.*
Quarles, Hattie Boswell,	*Paducah, Ky.*
Reid, Hazel Shelton,	*Parsons, Kan.*
Rodgers, Adelina Patti,	*Charleroi, Pa.*
Romel, Harriet Booth,	*Mich. City, Ind.*
Rowland Etta,	*Lanark.*
Rowland, Minnie Belle,	*Lanark.*
Rundle, Abraham Garfield,	*Loda.*
Schoch, Lulu,	*Ottawa.*
Segar, Charles Nelson,	*Rockford.*
Selby, Olive May,	*Paoli, Ind.*
Sheppard, Virginia Cornelia,	*Evanston.*
Shibley, Alfred Erle,	*St. Charles.*
Silliman, Alice,	*Nevada, Ia.*
Springer, Isaac Elihu,	*Hazel, S. D.*
Starkweather, Julia Gertrude,	*Evanston.*
Stratford, Thomas Foster,	*Evanston.*
Thompson, Henry Avery,	*Belvidere.*
Wall, Edgar Tingley,	*Evanston.*
Walt, Mary Carol,	*Batavia.*
Ward, Charles William,	*Onarga.*
Warrington, Raymond Ormiston,	*Malden.*
Webster, Josephine Haviland,	*Evanston.*
Weese, Joseph Roscoe,	*Huntington, Ind.*
Wentworth, Charles,	*Evanston.*
Williams, John Henry,	*San Jose, Cal.*
Witter, Emmett Emerson,	*Des Moines, Ia.*
Witter, John H.,	*Middleton.*
Woodworth, Florence Jane,	*Evanston.*

THE MEDICAL SCHOOL.

FOURTH YEAR.

Anderson, Daniel Herbert,	*Illinois.*
Barlow, Nathan,	*Michigan.*
Bo Dine, Charles Delos,	*South Dakota.*
Bold, Francis James, B.S., University of Wisconsin.	*Wisconsin.*
Bonthius, Fred Albert,	*Illinois.*
Bracken, William Sherman,	*Illinois.*
Bramhall, Robert Nicholas,	*Illinois.*
Brereton, Hugh Albert,	*Wisconsin.*
Brown, Edwin Newton,	*Kansas.*
Burgman, Edward Gustave, D.D.S., Chicago College of Dental Surgery.	*Illinois.*
Cairns, Rolla Ullin, B.S., University of Wisconsin.	*Wisconsin.*
Cantonwine, Eutellis Augustus,	*South Dakota.*
Cantril, Albert Hadley,	*Colorado.*
Carr, James Gray, A.B., Ohio State University.	*Illinois.*
Carriel, Howard Turner, B.S., Illinois College.	*Illinois.*
Casey, James R.,	*Illinois.*
Cheney, Volney Schaffer,	*Illinois.*
Cherry, Herbert Johnson,	*Michigan.*
Clemensen, Peter Christian,	*Illinois.*
Cox, Frank Emanuel,	*Illinois.*
Crossley, Elijah Rockhold,	*Illinois.*
Curry, Norman Dixon,	*Illinois.*
Dale, Harry Wilfred,	*Illinois.*
Darling, Charles Gilchrist, M.D., National Medical College.	*Illinois.*
Darragh, Edmiston,	*Illinois.*
Day, Minor Harold,	*Nebraska.*
Day, Wilton Andrew,	*Minnesota.*
Dodge, Horace Colburn,	*Colorado.*
Dowling, Jay Thomas,	*Minnesota.*
Drennan, Gilbert Dodd,	*Illinois.*
Dudley, Homer Daniel,	*Illinois.*

Dunn, John Clement, R.Ph., *Owen Sound, Ontario.*
Egelhoff, William Christian, *Wisconsin.*
Eisenstaedt, Moses, *Illinois.*
Engelbach, William, B.S., *Illinois.*
Illinois College.
Freligh, Clarence Neil, B.S., *Wisconsin.*
University of Iowa.
Galland, William Herbert, *Wisconsin.*
Gibbons, Charles Kimball, *Nebraska.*
Grace, Frank Gaines, *Kentucky.*
Green, Henry A., *Illinois.*
Halligan, Raymond Stephen, *Nebraska.*
Hansen, Clinton, A.B. *Illinois.*
Northern Illinois College.
Harter, Virgil Henry, *Illinois.*
Haugan, Otto Martin, A.B., *Minnesota.*
University of Minnesota.
Haury, Richard Samuel, *Kansas.*
Hecker, William, A.B., *Wisconsin.*
Lawrence University.
Higgins, Allen Fitch, B.S., *Wisconsin.*
University of Wisconsin.
Hill, Charles, M.S., Ph.D., *Illinois.*
University of Michigan and Northwestern University.
Hill, Frank A., Ph. G., *Illinois.*
Northwestern University.
Hoag, Ernest Bryant, B.S., A.B., *Michigan.*
Northwestern University and Leland Stanford.
Horswell, Ulysses Murton, *Illinois.*
Hoyt, Benjamin F., *Wisconsin.*
Jones, Hugh Owen, Ph.G., *Illinois.*
Northwestern University.
Jones, Henry Robert, *Iowa.*
Jones, Richard W., *Wisconsin.*
Jones, Walter Clinton, A.M., *Illinois.*
Northwestern University.
Kheiralla, George Ibrahim, M.D., *Egypt.*
Chicago Homeopathic College.
Kleutgen, Arthur C., *Illinois.*
Kober, Augustus Frederick, M.D., *Iowa.*
University College of Medicine.
Koehler, Gottfried Henry Charles, Ph.G., *Illinois.*
Northwestern University.
Koobs, Herman John George, *South Dakota.*
Legnard, John B., Jr., *Illinois.*
Linebarger, Isaac, *Illinois.*
Lorch, George John, Ph.G., M.D., *Illinois.*
Chicago College of Pharmacy and College of Physicians and Surgeons.
Lovell, John Gibbs, *Illinois.*

Loving, Royal Shepherd, M.D., Fort Worth University.	*Texas.*
Machesney, William Nelson, A.B., Northwestern University.	*Illinois.*
McCauliff, Guy T.,	*Iowa.*
Miller, Hugh Munro,	*Ontario.*
Morgan, Charles Edwin,	*Illinois.*
Morton, Dwight France,	*Illinois.*
Nichols, Roscoe Townley, B.S , Kansas State Agricultural College.	*Kansas.*
Nowlin, John Herbert,	*Kansas.*
Oakley, Robert William, Ph.C., Northwestern University.	*Illinois.*
Palen, Charles,	*Iowa.*
Parker, George William, Ph.B., Illinois College.	*Illinois.*
Parkhurst, Charles Leonard, B.S., M.D., University of Missouri.	*Missouri.*
Patterson, Robert Wilson,	*Illinois.*
Pestal, Joseph,	*Nebraska.*
Phillips, Albion Blackmore, B.S., State University of Iowa.	*Iowa.*
Poindexter, Frederick M.,	*Montana.*
Rendtorff, Walter,	*Illinois.*
Roberts, Harold Hargreaves, Ph.G., Northwestern University.	*Illinois.*
Rogers, Earl B., B.S., State University of Iowa.	*Iowa.*
Rohrlack, Otto, Ph.G., Northwestern University.	*Wisconsin.*
Russell, Frank Horatio,	*Wisconsin.*
Sasvil, Ernest M.,	*Illinois.*
Skelsey, Albert Wesley,	*Texas.*
Skoog, Andrew Leonard,	*Colorado.*
Snyder, Craig Richard,	*Montana.*
Snyder, Karl Forbes,	*Illinois.*
Taylor, George Gordan, A.B., LL.D., Wabash College and Chicago College of Law.	*Illinois.*
Van Houten, Jacob,	*Wisconsin.*
Walsh, Groesbeck, A.B., St. Ignatius College.	*Illinois.*
Warriner, Winsor Whipple,	*New York.*
Weeks, MacClary,	*Illinois.*
Williams, Arthur Edward, B.S., Northwestern University.	*Illinois.*
Winslow, Rollin Curtis, M.D. Saginaw Valley Medical College,	*Michigan.*
Wray, Clarence M.,	*Illinois.*
Younger, Charles Benjamin,	*Illinois.*

THIRD YEAR.

Allen, Lloyd Raymond,	*Iowa.*
Anderson, Cornelius Oscar, B.S., Knox College.	*Illinois.*
Ankenbrandt, Albert Andrew,	*Illinois.*
Arthur, Herbert Spencer,	*Pennsylvania.*
Avery, Ralph Washburn, B.S., University of Southern California.	*California.*
Ayling, Edmund Kent,	*Illinois.*
Baldwin, Charles Frederick,	*Wisconsin.*
Bowe, Frederick,	*Wisconsin.*
Bowen, Albert Sidney,	*Iowa.*
Boys, Charles Edward, B.S., Albion College.	*Kansas.*
Brown, Rexwald,	*Illinois.*
Bryant, John Howard,	*Illinois.*
Buford, Basil Duke,	*Illinois*
Buhlig, Walter Herman, B.S., University of Chicago.	*Illinois.*
Carlton, Clarence Light,	*Illinois.*
Carlson, Frank Gilbert,	*Iowa.*
Cathcart, John Watson,	*Iowa.*
Clark, John Sheldon,	*Illinois.*
Cole, Charles E., Ph.B., Illinois College.	*Illinois.*
Cole, James,	*Illinois.*
Collie, Henry Glenwood,	*Wisconsin.*
Cook, Frederick,	*Wisconsin.*
Cooley, William M.,	*Illinois.*
Crowley, Jay M.,	*Iowa.*
Crary, Arch W., B.S., Cornell College.	*Iowa.*
Cushway, Bert Charles, D.D.S., Northwestern University.	*Michigan.*
Daly, Thomas Patrick,	*Iowa.*
Danforth, William Clark, B.S., Northwestern University.	*Illinois.*
Dolder, Felix Charles,	*Illinois.*
Duncan, William Percy, B.Sc., Illinois College.	*Illinois.*
Egeland, Gustaf Richard,	*Wisconsin.*
Erickson, Charles August, Ph.G., Northwestern University.	*Illinois.*
Fisher, Charles Edward,	*Kansas.*
Francis, Frank D., A.B., University of Illinois.	*Illinois.*
Freeman, Harry Eben, B.S., University of Illinois.	*Illinois.*

Fyfe, Malcolm Brown,	*Illinois.*
Gilmore, George Benjamin,	*Kansas.*
Golden, John Ferdinand,	*Wisconsin.*
Grulee, Clifford Grosselle,	*Illinois.*
Guilfoyle, Thomas Peter,	*Illinois.*
Hanson, George Christian, B.S., Northern Indiana Normal School.	*Illinois.*
Harney, Louis Grason,	*Illinois.*
Healy, Maurice Arthur,	*Iowa.*
Herrmann, Alfred August,	*Illinois.*
Hieber, Harvey G., Ph.G., University of Iowa.	*Iowa.*
Hillis, William Ervin, M.D., Cotner University.	*Nebraska.*
Holm, Edgar,	*Iowa.*
Howland, Charles Francis,	*Illinois.*
Janss, Edwin,	*California.*
Jeffers, George Newton,	*Illinois.*
Jelstrup, Markus Fredrik Christian Bang, Ph. G., Christiania University.	*Norway.*
Kearns, Robert Joseph,	*Illinois.*
Ketterer, Englebert August,	*Wisconsin.*
Kohlhass Otto Henry,	*Michigan.*
Langenfeld, Peter Frank,	*Wisconsin.*
Layton, Edgar Nelson, A. B., Colorado College.	*Illinois.*
Lowry, Carl Clement,	*Illinois.*
Lyon, Fred Bayard, Ph. G., Chicago College of Pharmacy.	*Kansas.*
Lyon, Paul Tiffy,	*Iowa.*
Lucas, Wilbur,	*Indiana.*
Maggard, Delano Irwin, A.B., B.S., University of Kansas.	*Kansas.*
Mahoney, John James,	*Illinois.*
Mandel, Milton,	*Illinois.*
Martin, John Walter,	*Iowa.*
Mauermann, Julius Ferdinand,	*Wisconsin.*
McBride, William Otis,	*Illinois.*
McKean, Alex. C.,	*Iowa.*
Meehan, Joseph James,	*Iowa.*
Melzer, George R.,	*Wisconsin.*
Meyer, Henry Edward,	*Iowa.*
Millhon, Homer Benjamin,	*Illinois.*
Mueller, Emil Frederick,	*Iowa.*
Nauman, Oscar Walter, B.S., Missouri Valley College.	*Missouri.*
Nesbitt, Pleasant Pomeroy, B.S., University of Missouri.	*Missouri.*

Norris, Frank Ambrose,	*Iowa.*
Osgood, Luther James,	*New York.*
Poole, Charles Vibert Benyon,	*Illinois.*
Porter, Jesse B., A.B., Northwestern University.	*Illinois.*
Priest, Thomas William,	*Illinois.*
Randall, Andrew La Roy,	*Iowa.*
Rawles, Lyman Talmage, Ph.G., Northern Indiana Normal School.	*Indiana.*
Richman, Frank Nelson,	*Illinois.*
Roan, Martin William,	*Iowa.*
Rogers, Herbert William,	*Minnesota.*
Runkle, George Darius,	*Illinois.*
Schmidt, Karl Henry,	*Minnesota.*
Schoenjahn, Walter Leroy,	*Iowa.*
Siberts, Paul Raymond, B.S., Northwestern University.	*Illinois.*
Smead, Leslie Levant,	*Iowa.*
Smith, Clinton,	*Illinois.*
Smith, Carsten Christopher, A.B., University of Iowa.	*Iowa.*
Smith, Edward Vincent,	*Illinois.*
Spain, Clifford Robert,	*Kansas.*
Sparks, Francis Rufus,	*Illinois.*
Spence, William Potter,	*Illinois.*
Sprague, John Perley, A.B., Bates College.	*Illinois.*
Starr, Francis William,	*Wisconsin.*
Thomas, Henry Bascom, S.B., University of Chicago.	*Illinois.*
Tombaugh, John Letherman,	*Illinois.*
Van Camp, Elijah, Ph.B., Hamline University.	*North Dakota.*
Welch, J. Stanley, B.Sc., University of Nebraska.	*Nebraska.*
Welsh, Fred Edwin,	*Iowa.*
Wesley, William Hasson,	*Pennsylvania.*
Wheeler, Frank Raymond, B.S., Illinois College.	*Illinois.*
Whiteside, Robinson Richard,	*Illinois.*
Woods, Leonard Bouchner,	*Illinois.*

SECOND YEAR.

Alexander, William G., B.S., De Pauw University.	*Illinois.*
Andrews, Neil, A.B., Brown University.	*Rhode Island.*
Aplin, Floyd Walter,	*Wisconsin.*

Beckman, Henry Frederick,	*Indiana.*
Blome, Frederic Michael,	*Illinois.*
Blynd, George Theophilus, A.B., University of Wisconsin.	*Wisconsin.*
Bos, Cornelius N.,	*Illinois.*
Brecht, Ernest Adolph, Ph.G., Northwestern University.	*South Dakota.*
Burfiend, George Herman,	*Montana.*
Burkland, Philip Richard, B.A., University of South Dakota.	*South Dakota.*
Burleson, Charles Emory,	*New York.*
Cahill, Thomas A.,	*Illinois.*
Carey, Henry Benjamin, B.S., University of Minnesota.	*Minnesota.*
Connell, James Albert,	*Illinois.*
Conover, Henry Frank,	*Wisconsin.*
Danek, Eric J.,	*Illinois.*
Deal, Don West,	*Illinois.*
Downs, William Fletcher,	*Indiana.*
Dyas, Frederick George,	*Illinois.*
East, Clarence Wilson,	*Illinois.*
Edgar, Thomas Oscar, B.S., Northwestern University.	*Illinois.*
Emrick, Mortimer Elihue,	*Illinois.*
Fitz Jerrell, Harry Bacon,	*Illinois.*
Fosse, Benjamin, B.A., Beloit College.	*Illinois.*
Fulton, Claire W.,	*Illinois.*
George, Shaul, B.S., Northern Indiana Normal School.	*Persia.*
Gill, John Joseph, Ph.G., Northwestern University.	*Illinois.*
Godfrey, Almon T., A.B., Hope College.	*Michigan.*
Graser, Charles John, Ph.G., Northwestern University.	*Illinois.*
Gray, Edwin Wilson,	*Illinois.*
Grayston, Wallace Slack,	*Indiana.*
Griswold, Walter Stanley, B.A., University of Washington.	*Washington.*
Guilfoyle, John Peter,	*Illinois.*
Hargreaves, Oliver Cromwell, Ph.G., Northern Indiana Normal School.	*Illinois.*
Harris, Charles Ernest, B.Sc., Ohio Wesleyan University.	*Ohio.*
Haury, Samuel David,	*Kansas.*
Heiges, Lawrence E., B.S., Hiram College.	*Ohio.*
Hinman, Clayton Jay, B.S., University of Southern California.	*Illinois.*

Hinn, George Jacob, *Wisconsin.*
Hoffman, Paul McConnell, B.S. *Iowa.*
State University of Iowa.
Holmes, Jesse George, B.S., *Iowa.*
Tabor College.
Hope, Harry M., *Michigan.*
Hoyt, William Judson, *Illinois.*
Hubbard, Orton, *Illinois.*
Huene, Harry James, *Iowa.*
Hyett, James Erfert, B.S., *Kansas.*
Washburn College.
Isaacs, Charles Francis, *Iowa.*
Johnston, Ellis A., B.S., *Nebraska.*
University of Nebraska.
Kaley, Clifford M., *Illinois.*
Karshner, Warren Melvin, B.S., *Washington.*
University of Washington.
Kern, Nicholas Henry, *Illinois.*
Kretschmer, Herman L., Ph.G., *Illinois.*
Northwestern University.
Larimer, Guy Wayne, B.A., *Iowa.*
Northwestern University.
Laughlin, Daniel Joseph, *Iowa.*
Lawson, George Henry, *Kansas.*
Lemery, Benjamin David, *Illinois.*
Lurie, Gottlieb, *Illinois.*
McGinnis, Edwin, A.B., *Illinois.*
University of Michigan.
McMillan, Edwin Harbaugh, Ph.G., *Pennsylvania.*
Pittsburg College of Pharmacy.
Malloy, Edward, *Iowa.*
Malone, Francis Frederick, B.Sc., *Nebraska.*
University of Nebraska.
Manley, Richard Sabine, *Illinois.*
Mason, James Howard, *Iowa.*
Mattison, Samuel Jones, Jr., *Maryland.*
Miller, Anson Torrence, *Iowa.*
Miner, Elmer Andrew, Ph.B., *Illinois.*
Northwestern University.
Moessner, Frederick Richard, *Wisconsin.*
Munro, John Donald, *Michigan.*
Newmann, William Henry, Ph.C., *Minnesota.*
University of Minnesota.
Nolan, John Joseph, *Illinois.*
Norcross, Edward P., *Wisconsin.*
Oakes, Robert Allan, *Indiana.*
O'Callaghan, Charles Daniel, *Illinois.*
O'Neil, Jay Howard Francis, *Illinois.*
Orr, Harry Delphos, B.S., *Kansas.*
Kansas State Agricultural College.

Pavlik, Otto Steve, Ph.G., Northwestern University.	*Illinois.*
Phelps, Frank Wesley, B.S., Northwestern University.	*Illinois.*
Raber, Ralph L.,	*Indiana.*
Rain, Charles William,	*Nebraska.*
Rittenhouse, Walter,	*Illinois.*
Robinson, James Henry,	*Illinois.*
Roth, Charles Rudolph,	*Wisconsin.*
Sawyer, Charles Francis,	*Wisconsin.*
Schimelfenig, Isaac Clarence,	*Illinois.*
Schofield, Joseph Robert, B.S., University of Nebraska.	*Nebraska.*
Schrup, Joseph Henry,	*Iowa.*
Sidley, John Streeter,	*Illinois.*
Sleeper, Lawrence Edward,	*Iowa.*
Sloan, Harry Melville,	*Illinois.*
Smith, Carroll Lee, B.S., University of Idaho.	*Washington.*
Spurgeon, Glenn Charles, Ph.B., Colorado College.	*Iowa.*
Stauffer, Walter Allen,	*Indiana.*
Still, George Anderson, B.S., Drake University.	*Iowa.*
Struve, Carl Philip,	*Wisconsin.*
Struzynski, Walter,	*Illinois.*
Thompson, Nathan Lincoln, Ph.G., Philadelphia College of Pharmacy.	*Vermont.*
Wagener, Nicholas Zephronius,	*Wisconsin.*
Warhanik, Charles Augustus, Ph.G., University of Illinois.	*Illinois.*
Weller, Miles,	*Illinois.*
Werner, Fred,	*Illinois.*
Whitcomb, Orrin John, Ph.B., Hamline University.	*Minnesota.*
Wierengo, Andrew,	*Michigan.*
Woodruff, Robert Henry,	*Iowa.*
Woods, Arthur Waterston, B.S., Northwestern University.	*Illinois.*
Woolley, Walter Thomas, B.S., Illinois Wesleyan University.	*Illinois.*
Wright, Frank, Ph.C., Northwestern University.	*Illinois.*
Zierath, William Frederick,	*Wisconsin.*

FIRST YEAR.

Anglin, George Washington,	*Indiana.*
Barry, Shirley De Vere,	*Washington.*
Bean, Thatcher Blake,	*Illinois.*

Becker, Louis John,	*Illinois.*
Belsan, James Calvert, A.B., St. Ignatius College.	*Illinois.*
Best, Joseph,	*England.*
Blowers, Walter May,	*Iowa.*
Blue, Robert Bruce, A.B., Cornell College.	*Iowa.*
Boswell, James Henry, B.S., University of Nebraska.	*Oklahoma.*
Bradway, Everett Haworth, A.B., Hedding College.	*Illinois.*
Breece, Raymond Clark,	*Indiana.*
Bromund, Emil Herrmann,	*Illinois.*
Bruen, Royal Clarence,	*Illinois.*
Burbach, William Martin,	*Illinois.*
Burleigh, Benjamin Wade, A.B., Yankton College.	*Illinois.*
Burmeister, Henry,	*Illinois.*
Cartmell, Harry D.,	*Illinois.*
Castle, S.,	*Illinois.*
Chase, Ezra Dwight,	*Minnesota.*
Clements, Robert,	*Illinois.*
Crumpacker, Chester Blaine,	*Indiana.*
Curfman, George Hardin, Ph.B., Northwestern University.	*Missouri.*
Doolittle, John Carlyle,	*Wisconsin.*
Dowling, George Aiken,	*Minnesota.*
Dunlap, Paul Dean,	*Indiana.*
Dyer, John Sidney,	*Iowa.*
Egan, James J.,	*Illinois.*
Egloff, George Eugene,	*Iowa.*
Engelbrectson, Ferdinand,	*Illinois.*
Fahrner, Walter Jewett,	*Illinois.*
Fair, Fredrick Ferdinand,	*Illinois.*
Farmer, Frank C.,	*Illinois.*
Fastabend, Frank Bernhardt,	*Illinois.*
Fitzpatrick, Charles James,	*Illinois.*
Froid, Clarence Mauritz,	*Nebraska.*
Gates, Adam John,	*Wisconsin.*
Gibbons, James Miner,	*Iowa.*
Goebel, Alfred William,	*Wisconsin.*
Grant, Oliver Perry,	*Illinois.*
Guenthner, Erhard,	*S. Dakota.*
Gulde, William Charles,	*Iowa.*
Hickman, Orvial Roy,	*Nebraska.*
Hipke, Walter William,	*Illinois.*

Hoglund, Emil J.,	*Illinois.*
Holcomb, Oscar William, Ph.G., Minnesota Institut e of Pharmacy.	*Minnesota.*
Homan, Carl August,	*Illinois.*
Hopper, Claire, D.B.S., Cornell College.	*Iowa.*
Howard, William Arthur,	*Iowa.*
Jacobson, Alfred Frederick,	*Wisconsin.*
James, Ralph Ward,	*Iowa.*
Johannes, Henry Charles,	*Illinois.*
Jordan, George Thomas, B.S., University of South Dakota.	*South Dakota.*
Jordan, John Henry,	*Iowa.*
Keating, William Dennis,	*Illinois.*
Kelly, Edward James,	*Illinois.*
Kelly, John Edward,	*Wisconsin.*
Klontz, Charles Edward,	*Illinois.*
Knoop, William Albert,	*Illinois.*
Kuhn, Le Roy Philip,	*Kansas.*
Kulis, Jacob Joseph,	*Illinois.*
Kuntz, Wesley W.,	*Illinois.*
Lauder, David Burnette,	*Wyoming.*
Lilly, John Mathew,	*Illinois.*
Little, George Reed,	*Kansas.*
Lynch, Daniel Webster,	*Wisconsin.*
McEwan, John Singer,	*Mexico.*
McGauley, Francis Martin,	*Wisconsin.*
McIntosh, John Jerome,	*Illinois.*
McPherson, Fayatte,	*Illinois.*
McQuilkin, George Arthur,	*New York.*
Magee, William George,	*Iowa.*
Martin, George Henry,	*Illinois.*
Mead, David Oscar,	*Illinois.*
Medlar, Clyde Avery,	*Nebraska.*
Meusel, Harry Herwin,	*Wisconsin.*
Miller, Floyd R.,	*Illinois.*
Miller, William Pleasant, B.A., Fisk University.	*Illinois.*
Minnick, Clarence,	*Nebraska.*
Mitchell, Joseph Henry,	*Iowa.*
Moore, Levas Scott,	*South Dakota.*
Newell, George Warren,	*Wisconsin.*
O'Brien, Joseph Eugene,	*Illinois.*
Olschner, Berthold Robert,	*Illinois.*
Parks, Samuel Joseph,	*Illinois.*
Parris, Elbert Victor,	*Illinois.*

Perkins, Edwin L.,	*South Dakota.*
Phillips, John Gilbert,	*Michigan.*
Pine, Walter Frederic,	*Kansas.*
Rahling, Leo Henry,	*Illinois.*
Ranney, Thomas Pollock,	*Iowa.*
Reese, Henry Lindley, M.A., University of Washington.	*Washington.*
Reyher, Chris Michel,	*Indiana.*
Rudolf, Solomon Francis,	*Wisconsin.*
Rutter, Elmer Theodore,	*Iowa.*
Schaefer, John Ferdinand,	*Illinois.*
Schaefer, Rudolph A.,	*Nebraska.*
Schroeder, George Fred Carl, Ph.G., Northwestern University.	*Illinois.*
Schroeder, John C.,	*Illinois.*
Scroggy, John Quincy Adams, Ph.G., Northwestern University.	*Iowa.*
Shewbridge, Edward Benedict,	*Illinois.*
Shippey, Roderick Hoffman,	*Illinois.*
Smelker, Van Archibald,	*Wisconsin.*
Spencer, George J.,	*Illinois.*
Spitz, Eugene Aaron,	*Illinois.*
Stacy, George Herbert,	*Illinois.*
Stewart, James Golden,	*Illinois.*
Stribbling, James Wiley,	*Iowa.*
Thomas, Harlay Angus,	*Wisconsin.*
Thompson, Orris Martin,	*Illinois.*
Thornton, David,	*Illinois.*
Tobey, Willis Gutner, A.B., Otterbein University.	*Illinois.*
Trewhella, James,	*Michigan.*
Trewyn, William Thomas,	*Wisconsin.*
Wagner, Frederick John,	*Illinois.*
Waldner, John L.,	*South Dakota.*
Waldschmidt, William Jacob,	*Wisconsin.*
Wanzer, Horace Benjamin,	*Nebraska.*
Weir, Silas Wilkin, B.S., Central Normal College.	*Illinois.*
White, Hugh James,	*Illinois.*
Wilson, Julius Henry,	*Illinois.*
Wittman, Anthony George,	*Illinois.*
Yerger, Charles Francis, Ph.G., Northwestern University.	*Illinois.*

SPECIAL STUDENTS.

Allison, Edison P.,	*Indiana.*
Babbitt, Oliver M.,	*New York.*

Baker, Josiah Andrews,	*Illinois.*
Bilstad, Gunerious E., M.D., Northwestern University.	*Wisconsin.*
Boddiger, Charles Edwin, Ph.G., M.D., Chicago College of Pharmacy, and College of Physicians and Surgeons.	*Illinois.*
Carter, Thomas Jay,	*Indiana.*
Childs, Wilfred L.,	*Massachusetts.*
Dougherty, Patrick, M.D., Northwestern University.	*California.*
Earl, Edwin C.,	*Indiana.*
Eiss, Daniel W., M.D., Northwestern University.	*Illinois.*
Ellenbaum, Frank Henry,	*Illinois.*
Fossler, Mary Louise, B.Sc., A.M., University of Nebraska.	*Nebraska.*
Foster, Edwin H. T.,	*Ohio.*
Gahlman, Edward Frank,	*Wisconsin.*
Gregg, Edwin Stanton,	*Illinois.*
Hamilton, Joseph Thomas L.,	*Illinois.*
Hobbs, Charles Louis, M.D., Rush Medical College.	*Illinois.*
La Rose, Louis F.,	*Ohio.*
Morris, Albert N.,	*Indiana.*
Nafe, Charles Albert, Ph.G., Northwestern University.	*Illinois.*
Pearson, Henry F.,	*Washington.*
Phillips, C. J., M.D., Rush Medical College.	*Illinois.*
Ruschhaupt, Louis Fred, B.S., University of Wisconsin.	*Wisconsin.*
Warriner, William L., M.D., Northwestern University.	*Kansas.*
Willard, Eugene Shaw, D.D.S., Northwestern University.	*Illinois.*
Woodard, Herbert B., M.D., Hahnemann College.	*Illinois.*

THE LAW SCHOOL.

FIRST YEAR STUDENTS.

Barber, Clayton Jackson, Ph.B., Illinois College,	*Springfield.*
Banning, Walker,	*Oak Park.*
Bates, Alfred Ricker,	*Evanston.*
Bays, Alfred William, B.S., Knox College.	*Enfield.*
Brown, Thomas Baldwin,	*Chicago.*
Camp, Wilbur Lee,	*Swan, Iowa.*
Campbell, Herbert John, A.B., University of Michigan.	*Riverside.*
Clarkson, John Joseph, Ph.B., University of Chicago.	*Chicago.*
Clements, Louis,	*Evanston.*
Comerford, Frank Desalles,	*Chicago.*
Fischer, Henry Fred,	*Addison.*
Follett, Otis William,	*Libertyville.*
Gillam, Walter Lowrie, A.B., A.M., Wooster University.	*Chicago.*
Grover, George Oliver,	*Leland.*
Gualano, Alberto Nicola, Lyceum degree, Vittorio Emmanuele College, Naples, Italy.	*Sycamore.*
Hagens, Graddus Remley, A.B., Central College.	*Pella, Iowa.*
Hart, Merwin Michael,	*Chicago.*
Hart, Stephen Price,	*Austin, Minn.*
Hinckley, Francis Edward,	*Evanston.*
Johnson, Alton Francis,	*Chicago.*
Keeley, William Mort,	*Washington, Iowa.*
Kepler, Louis Howard, Ph.B., Cornell College.	*Mt. Vernon, Iowa.*
Kohlsaat, Edward Christian, A.B., University of Chicago.	*Chicago.*
Krueger, Nathan,	*Chicago.*
Lindhout, Dingnus Kloppenburg,	*Chicago Heights.*
Louis, George Lionel,	*Chicago.*
Manierre, Louis, A.B., Yale University.	*Chicago.*
Manning, Curtis Rockwell, A.B., University of Chicago.	*Chicago.*

Mathiesen, William,	*Chicago.*
Meek, Marcellus Woltz,	*Chicago.*
Miller, Albert Grant,	*Chicago.*
McAuley, Henry Sayrs, A.B., Yale University.	*Chicago.*
McCord, Downer, A.B., Yale University.	*Chicago.*
McKinney, Marion Hayes,	*Chicago.*
Pfeifer, Louis,	*Chicago.*
Rutter, Rhea Barton, A.B., Williams College.	*Highland Park.*
Spalding, Raymond,	*Chicago.*
Sherlock, Carl Garfield,	*Riverside.*
Smith, Claude Frederick,	*Danville.*
Trude, Daniel Pearson,	*Chicago.*
Walsh, Richard Wilson, A.B., Yale University.	*Chicago.*
Weese, Harry Earnest,	*Huntington, Ind.*
Welch, Robert Leslie, A.B., University of Chicago.	*Chicago.*
Wiles, Russel, S.B., University of Chicago.	*Chicago.*
Wozniak, Peter,	*South Bend, Ind.*

SECOND YEAR STUDENTS.

Baird, James Arthur, A.B., Carthage College.	*Carthage.*
Block, Manfred Sickle, B.L., University of Wisconsin.	*Platteville, Wis.*
Campbell, Hilary Erskine,	*Chicago.*
Carrott, Matthew Finlay, A.B., Princeton University.	*Quincy.*
Crilly, Oliver Daniel, A.B., Harvard University.	*Chicago.*
Clark, John Woodbury,	*Paw Paw.*
Crosby, Emery William,	
Daly, Charles Lawrence,	*Chicago.*
Devine, John,	*Chicago.*
Deering, Thomas Gardiner,	*Chicago.*
Dietz, Cyrus Edgar,	*Gilman.*
Dunbar, David Owen, B.S., Cornell College; A.B., Columbia University.	*Center Point, Ia.*
Eberhardt, Alfar Maximilian,	*Chicago.*
Eschbach, Jesse Ernest, Ph.B., Otterbein College.	*Warsaw, Ind.*
Ewing, Joseph Chalmers, A.B., University of Chicago.	*Chicago.*
Fleming, William, B.S., Upper Iowa University.	*Sabula, Ia.*

Frank, Lee Julius, *Chicago.*
A.B., University of Chicago.
Guthman, Roy, *Youngstown, Ohio.*
Headen, Thomas Moulton, *Shelbyville.*
B.S., University of Illinois.
Hicks, Aeden Rhodes, *Chicago.*
A.B., Leland Stanford, Jr., University.
Johnson, Charles Christian, *Chicago.*
Kay, Fred Hans, *Chicago.*
Kahn, Julius Maurice, *Petersburg.*
A.B., Northwestern University.
Keating, James William, *Chicago.*
Keep, Albert, 2d, *Chicago.*
Knapp, William Proctor, *Chicago.*
Ph.B., Iowa College.
Kropf, Victor Gustav, *Chicago.*
A.B., Washburn College.
Kidder, Royce Annan, *Sterling.*
Kompel, Morris, *Chicago.*
B.L., Northwestern University.
Lee, Curtis Gilmore, *Chicago.*
Mayer, Elias, *Chicago.*
A.B., Harvard University.
Mergentheim, Morton Adolph, *Chicago.*
A.B., A.M., University of Chicago.
Mills, Matthew, *Chicago.*
A.B., Yale University.
Murphy, Edward James, *Evanston.*
Mudge, Dick Howard, *Edwardsville.*
McClure, V. K. Everett, *Cloverdale, Ind.*
Ph.B., De Pauw University.
Matthews, Jacob Scott, *Chicago.*
A.B., University of Michigan.
Niles, John Addison, *Chicago.*
Odell, Benjamin Franklin Jefferson, *Chicago.*
Peckham, John Judah, *Geneva.*
A.B., Harvard University.
Proctor, Harold Peres, *Veroqua.*
Quinlan, Thomas Ambrose, *Chicago.*
A.B., A.M., St. Mary's College.
Rogers, Rowland Thumm, *Chicago.*
Ph.B., University of Chicago.
Rosenberg, Hyman, *Chicago.*
Rose, Charles George, *Chicago.*
Schafer, Frank Boesher, *El Paso.*
Swigert, Harry Amos, *Council Bluffs, Ia.*
Shaw, Joseph Lawrence, *Geneseo.*
A.M., University of Wisconsin.
Schoenbrun, Leo, Jr., *Chicago.*
A.B., University of Chicago.
Thomasson, Nelson, Jr., *Chicago.*
A.B., Princeton University.

Todd, Leroy Levi, *Milledgeville.*
Weigel, William Barton, *Plainview, Minn.*
Margolis, Bernard,
Mauzy, Amon, *Chicago.*
McDonald, John Peter, *Chicago.*
McNulta, Donald, *Chicago.*
Moore, Edward Coleman, *Moline.*
A.B., Yale University.
Oppenheim, Sidney, *Chicago.*
Pines, George Sergius, *Chicago.*
Reed, Clark Scammon, *Chicago.*
Ph.B., University of Chicago.
Robinson Warner Hunt, *Chicago.*
Rogers, Roy Leon, *Chicago.*
Smiley, Edmund Pillsbury, *Chicago.*
A.B., Yale University.
Thomson, Charles Marsh, *Chicago.*
A.B., Washington and Jefferson College.
Thomsen and von Colditz, Sandor, *Chicago.*
Tompkins, Alfred Foote, *Oak Park.*
Topliff, Samuel, *Evanston.*
A.B., Bowdoin College.
Turnell, Charles Allen, *Kankakee.*
Tyrrell, Pierce Crawford, *Elgin.*
Weinfeld, Charles, *Chicago.*
Witter, James Franklin, *Cambridge.*
A.B., A.M., Hedding College.
Weston, Herbert Mantor, *Chicago.*
Ph.B., University of Chicago.
Zabel, Max William, *Milwaukee, Wis.*
B.S., University of Wisconsin.

THIRD YEAR STUDENTS.

Adcock, Edmund David, *Galesburg.*
A.B., Knox College.
Anderson, William France, *Chicago.*
A.B., University of Chicago.
Ashton, Edgar Lowell, *Blanchester, Ohio.*
A.B., Ohio Wesleyan University.
Buntain, Cassius M. Clay, *Momence.*
A.B., Northwestern University.
Cermak, Jerome Jeremiah, *Chicago.*
Cleveland, Frank Clayton, *Chicago.*
Ph.B., University of Chicago.
Davis, Abel, *Chicago.*
Dickinson, William Reynolds, *Chicago.*
A.B., Harvard University.
Dietz, Godlove Orth, *Gilman.*
Falter, Frederick William, *Chicago.*
Fischer, Edgar Bernhardt, *Addison.*

Frank, Charles Sigmund,
Freeman, Charles Yoe, *Chicago.*
A.B., Princeton University.
Green, Charles Henry, *Evanston.*
Hadley, Charles William, *Wheaton.*
B.L., Wheaton College.
Haight, George, *Rockdale, Wis.*
B.L., University of Wisconsin.
Hess, Carl, *Chicago.*
Hollock, Roland Martin, *Macomb.*
Holste, August Fred, *Palatine.*
A.B., University of Chicago.
Honegger, Peter Gottlieb, *Chicago.*
Hoy, Eugene Richard, *Chicago.*
Jeffreys, Ivor,
A.B., Oberlin College.
Knowlton, Clarence Elliot, *Rochester, Minn.*
Lowrie, Alfred Richard, *Elgin.*
A.B., Yale University.

SPECIAL STUDENTS.

Amory, Edwin Parkinson, *Chicago.*
Barnes, James, *Evanston.*
Church, Friend Lansing, *Aledo.*
Conner, Benjamin Cohoon, *Chicago.*
Harrington, Howard Woodford, *Watseka.*
Menkel, Anthony Martin, *Chicago.*
A.B., Williams College.
Miller, William Edwin, *Galena, Ohio.*
B.S., University of Chicago.
McClure, Robert Samuel, *Chicago.*
A.B., University of Chicago.
Schrieber, Frank, *Chicago.*
Stafford, Elmore Hurst, *Rock Island.*
Stockton, Eugene Manning, *Highwood.*
Tinke, Julius, *Elmhurst.*
Wright, Charles, *Chicago.*
Yomaguchi, Shun, *Yokohama, Japan.*

RESIDENT BACHELORS OF LAW.

Childs, Lester Coffeen, *Hinsdale.*
A. B., Beloit College; LL.B., Northwestern University.
Green, Everett Parish, *Chicago.*
LL.B., Chicago Law School.
Hurlbut, Harry Rogers, *Chicago.*
A.B., University of Michigan; L.L.B., Northwestern University.
Jacobsen, John U., Jr., *Chicago.*
LL.B., Kent College of Law.
Koepke, Charles Albert, *Chicago.*
LL.B., Northwestern University,
Potter, Edwin,
LL.B., University of Michigan.

THE SCHOOL OF PHARMACY.

POST-GRADUATE.

Brown, Charles William,	*Chicago.*

SENIORS REGISTERED IN COURSE.
(For the Degree of Pharmaceutical Chemist.)

Conzet, Rufus Warren, Ph.G.,	*Greenup.*
Dorland, Clareld Edison,	*Barron, Wis.*
Ellenbaum, Frank Henry,	*Hannibal, Mo.*
Fischnar, John Fred,	*Shiner, Tex.*
Gilmore, Harry Alexander,	*Compton.*
Hartrick, Louis Eugene, Sc.B.,	*Urbana.*
Hartrick, Guy Russell, Sc.B.,	*Urbana.*
Hegarty, Charles Kiely,	*Newport, Ind.*
Holbrook, Thomas Ambrose, Ph.G.,	*Rock Port, Mo.*
Holm, Marinus Larsen,	*Strand.*
Junker, William,	*Chicago.*
Knaus, Henry William,	*Chicago.*
Knoth, Melville William,	*Chicago.*
Koenigstein, Arthur J.,	*Norfolk, Neb.*
Layer, Franklin Robert,	*Gilman.*
Lewis, George N.,	*Evarts, S. D.*
Parsons, Fred John,	*Santa Ana, Cal.*
Piper, Nina Celestial,	*Chicago.*
Prindle, Charles Walley, Ph.G.,	*Sharon, Wis.*
Schroeder, Albert Frederick,	*Chicago.*
Siebel, John Ewald, Jr.,	*Chicago.*
Sheppard, Samuel Henry, Ph.G.,	*Mt. Pleasant, Ia.*
Sparks, George Augustus, Ph.G.,	*Chicago.*
Stoddard, Burton Harvey,	*Madison, S. D.*

SENIORS REGISTERED IN COURSE.
(For the Degree of Graduate in Pharmacy.)

Abbett, Arthur Melville,	*Lamberton, Minn.*
Arnette, Floyd Henry,	*Geneseo.*
Bereczkowski, Mieczyslaw Joseph,	*Chicago.*

Brown, Charles Andrew,	*Pana.*
Brown, Fred Edgar,	*Sterling.*
Cady, Clarence William,	*Chicago.*
Carlyon, Roscoe Edward,	*Clear Lake, Ia.*
Cummings, Thomas Francis,	*Waterloo, Ia.*
Dorland, Clareld Edison,	*Barron, Wis.*
Edlund, Andrew G.,	*Axtell, Neb.*
Ellenbaum, Frank Henry,	*Chicago.*
Fischnar, John Fred,	*Shiner, Texas.*
Forbes, Warren A.,	*Chicago.*
Galloway, J. Bertram,	*Rockford.*
Gardner, James Robert,	*Pleasant Plains.*
Gilleas, Benjamin James,	*Cherokee, Ia.*
Gilmore, Harry Alexander,	*Compton.*
Gill, Harvey James,	*Dubuque, Ia.*
Gleason, Matthew Patrick,	*Essex, Ia.*
Greer, Thomas J.,	*Cherokee, Ia.*
Gunnell, Charles Basil,	*Evanston, Wyo.*
Hartrick, Guy Russell, Sc.B.,	*Urbana.*
Hartrick, Louis Eugene, Sc.B.,	*Urbana.*
Hegarty, Charles Kiely,	*Newport, Ind.*
Heller, George W.,	*East Lynn.*
Henry, Herbert Arthur,	*Whitewater, Wis.*
Hirsh, Albert,	*Pueblo, Colo.*
Holm, Marinus Larsen,	*Strand.*
Hoppe, Fred,	*Sheboygan, Wis.*
Hydinger, Henry,	*Hamburg, Ia.*
Jennisch, Johannes Immanuel,	*Rock Island.*
Johnson, Leonard Alfred,	*Sunny Side, Ky.*
Junker, William,	*Chicago.*
Kies, John Leo,	*Dubuque, Ia.*
Kirk, Anna,	*Athena, Ore.*
Knaus, Henry William,	*Chicago.*
Knoth, Melville William,	*Chicago.*
Koch, Henry Andrew,	*Sumner, Ia.*
Koenigstein, Arthur J.,	*Norfolk, Neb.*
Layer, Franklin Robert,	*Gilman.*
Lutyen, William Francis,	*Flanagan.*
Lytle, Herbert Jolly,	*Ft. Morgan, Colo.*
McCluggage, John Jordan,	*Hanna City.*
McCarthy, Joseph Leo,	*Stoughton, Wis.*
Malarky, Clara Mildred,	*Oregon.*
Miller, Oliver J.,	*Rockbridge.*
Milligan, Edwin Leslie,	*Edinburg.*
Mills, Earl Charles,	*Ossian, Ia.*

Newell, Duane J.,	*Stark.*
Parsons, Fred John,	*Santa Ana, Cal.*
Packard, Frank Hiram,	*Redfield, S. D.*
Piper, Nina Celestial,	*Chicago.*
Rasch, Christian Albert,	*Chicago.*
Rickert, Willard Miller,	*Waterloo, Ia.*
Rosevear, Edward J.,	*Park City, Utah.*
Ross, Wilbur,	*Springfield.*
Runkel, Miss Julia,	*Wilmot, Wis.*
Schneider, Julius Emil,	*Melville.*
Schroeder, Albert Frederick,	*Chicago.*
Secor, Herbert Everett,	*Racine, Wis.*
Siebel, John Ewald, Jr.,	*Chicago.*
Sloan, Victor Alan,	*Northfield, Vt.*
Shutts, Arthur Burton,	*Waterloo, Ia.*
Smith, Wayne Craddock,	*Polo.*
Spaetgens, Harry C.,	*Chicago.*
Stoddard, Burton Harvey,	*Madison, S. D.*
Sutton, Robert Reay,	*Shenandoah, Ia.*
Sweeney, James Thomas,	*Menominee, Wis.*
Tobie, Lester Guy,	*Prairie City.*
Townsend, Charles Franklin,	*Talmage, Kan.*
Turkington, E. Clyde,	*Colorado Junction, Ia.*
Weinkauf, Herman,	*Peoria.*
White, John Franklin,	*Pearlington, Miss.*
Williams, Edward,	*Ironton, Mich.*
Williams, Howard L.,	*Fulton.*
Worley, Guy Wallace,	*Kewanee.*

JUNIORS REGISTERED IN COURSE.

(For the Degree of Graduate in Pharmacy.)

Andrews, James Porter,	*Garrett, Ind.*
Anderson, Herbert William,	*Beatrice, Neb.*
Atterbery, Carlin,	*Chandlerville.*
Austin, Walter Warner,	*Chicago.*
Bauer, John,	*Ponca, Neb.*
Bemis, Charles Arthur,	*Evanston.*
Brauer, Henry,	*Oshkosh, Wis.*
Broten, Christian Adolph,	*Davenport, N. D.*
Bryson, Louis LeRoy,	*Waukesha, Wis.*
Buesch, Andrew Ernest,	*Dubuque, Ia.*
Butler, Guy,	*Cambridge, Neb.*
Carroll, Edward T.,	*Flanagan.*
Childs, Frank Samuel,	*Keithsburg.*
Clark, Warren James,	*Belleville, Kansas.*

Cline, John Vick,	*Marion.*
Comer, John Thomas,	*Mauston, Wis.*
Daily, Fred Rosco,	*Pender, Neb.*
Dean, Fred Julius,	*Waterman.*
De Vine, Owen Crippen,	*Marietta, O.*
Douglas, Gerald Robert,	*Menno, S. D.*
Duncan, Howard William,	*DeKalb.*
Dunne, Frank Joe,	*Peoria.*
Elliott, Robert,	*Washington.*
Erickson, Hjalmar Emil,	*Chicago.*
Farrar, Samuel McFarland,	*Chicago.*
Felts, Harry B.,	*Barron, Wis.*
Flanagan, Charles P.,	*Flanagan.*
Fleischer, Andrew William,	*Ossian, Ia.*
Frantz, George Alton,	*Miller Station, Pa.*
Fredrickson, Walter Edward,	*Ottumwa, Ia.*
Gardner, John Harrison,	*Pleasant Plains.*
Gilbertson, Roy,	*Decorah, Ia.*
Geiger, Benedict Sebastian,	*El Paso.*
Germer, Charles W.,	*Chicago.*
Girton, Lee Richmond,	*Madison, S. D.*
Gross, John,	*Chicago.*
Guenther, Ferdinand Henry,	*Freeman, S. D.*
Hanlon, Frank J.,	*Waterloo, Ia.*
Hardiman, William,	*Chicago.*
Hartman, John Henry,	*Freeport.*
Hess, Frederick Andrew, Jr.,	*Chicago.*
Hurd, Raymond Crane,	*Kenosha, Wis,*
Hyman, Louis,	*Madison, Wis.*
Jaeger, Louis,	*Madison, Wis.*
Jeffers, Mrs. Christine,	*Bellevue, Ia.*
Jessup, F. C.,	*Chicago.*
Jones, Homer Jeney,	*Utica, Neb.*
Keir, Archie Steward	*Viroqua, Wis.*
Kinney, Vernon A.,	*Blackfoot, Idaho.*
Kneevers, Harry,	*Sheboygan, Wis.*
Koch, Frank V.,	*Maryville, Mo.*
Kohn, Arthur Frederick,	*Chicago.*
Kovarick, Victor Godfried,	*Chicago.*
Lamm, Leo,	*Spring Valley, Minn.*
Large, William Earle,	*Springfield.*
Lien, Fred,	*Hillsboro, N. D.*
Locke, Burt Tuthill,	*Freeport.*
Lonkota, James Albert,	*Schuyler, Neb.*
McBride, Arthur T.,	*Joliet.*

McCleery, Daniel R.,	*Pawnee City, Neb.*
McClain, Harry Walker,	*Tripp, S. D.*
Marshall, Hugh, Jr.,	*Monmouth.*
Megaw, Herschel,	*Owaneco.*
Milne, George Edmund,	*Morrison.*
Moore, William A.,	*Danville.*
Mynard, Warren A.,	*Amboy.*
Neely, John Wooford,	*Chicago.*
Obenland, Adolph Emil,	*Pomeroy, Wash.*
O'Hara, Matthew M.,	*Chicago.*
Pringle, Miss Madge,	*Marengo.*
Rachac, Adolph Louis,	*Cummings, N. D.*
Reed, Paul Cresse,	*Chicago.*
Reinhold, August John,	*Manning, Ia.*
Riggs, Arlie B.,	*Mannington, W. Va.*
Rinde, Samuel N.,	*Grafton, N. D.*
Roberts, Edward Abner,	*Chicago.*
Schilke, Alfred Mahlon,	*Chicago.*
Schmierer, Gustav,	*Chicago.*
Schwarze, Alfred Henry,	*Freeport.*
Seck, Ernest August,	*Evansville, Ind.*
Sharpe, Howard Addison,	*Sussex, Wis.*
Shroeder, William Henry,	*La Porte, Ind.*
Simpson, William Edward,	*Pleasant Plains.*
Smith, Eva Mary,	*Savanna.*
Spear, Benjamin,	*Chicago.*
Stacy, Edward Everett,	*Tuscola.*
Stahl, Amanda W.,	*Chicago.*
Steele, Claude Seymour,	*Kentland, Ind.*
Suddoth, Marion Aistides,	*Friar's Point, Miss.*
Swanson, Carl Harry,	*Clarinda, Ia.*
Tank, Julius,	*Manning, Ia.*
Thompson, George Hayward,	*Spring Valley.*
Todd, Edward Thompson,	*Chicago.*
Turner, John Arthur,	*Antioch.*
Vause, Harry Russell,	*Chicago.*
Vick, Samuel Snyder,	*Centerville.*
Vincent, Roland E.,	*Letts, Ia.*
Walker, Charles Earl,	*Quincy.*
Watkins, Leroy A.,	*Chicago.*
Wertz, Oscar Spencer,	*Sterling.*
Whitby, Clement M.,	*Dubuque, Ia.*
White, Arthur Robert,	*Chicago.*
Zelinsky, Walter Francis von,	*Chicago.*
Zimmerman, Charles J.,	*Waterloo, Ia.*

THE DENTAL SCHOOL.

SENIOR CLASS.

Adams, Arthur Garfield,	*Nebraska.*
Allan, Maxwell Sedgwick,	*Australia.*
Allison, Richard John,	*Iowa.*
Baker, Josiah William,	*Illinois.*
Bales, Emmor S.,	*Iowa.*
Ballou, Louis L.,	*Michigan.*
Bannister, Guy,	*Michigan.*
Barber, Henry Edward,	*Texas.*
Barker, John Pierce,	*Illinois.*
Bascombe, Clifford Henry,	*Iowa.*
Baumgarth, Henry,	*Wisconsin.*
Behm, John William,	*Michigan.*
Bell, J. Rex,	*Nebraska.*
Bergman, Arthur Gustave,	*Illinois.*
Berkey, Hugh Thomas,	*Indiana.*
Bilek, Joseph Bartley,	*Illinois.*
Bixby, Raymond Lee,	*Iowa.*
*Bjerke, Hans Kristian,	*Norway.*
Bliss, Gertrude Richards,	*Illinois.*
Blount, Anna Bailey,	*Illinois.*
Blumenthal, Edwin Martin,	*Wisconsin.*
Bogart, Mark David,	*Oregon.*
Bohrer, Ernest Everett,	*Missouri.*
Bollenbach, George William,	*Illinois.*
Bolster, Vinton Vazey,	*Ohio.*
Bond, John Lafferty,	*Indiana.*
Borchers, Frederick John Theodore,	*Iowa.*
Boyd, Derward James,	*Ontario, Can.*
Brandt, Carl Rudolph Max,	*Iowa.*
Brant, Claude,	*Indiana.*
Brown, James Scott,	*Minnesota.*
Burke, Wesley,	*Illinois.*
Burnett, Isaac A.,	*Illinois.*

* Deceased.

Burrill, Chester Leslie,	*Minnesota.*
Bouche, Louis Franklin,	*Manitoba, Can.*
Bushnell, Charles William,	*Wisconsin.*
Caldwell, Wm. Elliott Hughes,	*West Virginia.*
Callow, Joseph Edward,	*Wisconsin.*
Campbell, Peter Alexander,	*Ontario, Can.*
Childs, Ralph Sherman,	*Illinois.*
Colborn, Lewis Paul,	*North Dakota.*
Constable, Roy Verner,	*Ohio.*
Copple, Plenna Reuben,	*Nebraska.*
Corbett, James Clinton,	*Illinois.*
Corbin, B. J.,	*Illinois.*
Cory, William M.,	*Michigan.*
Cromb, John Rutherford,	*Minnesota.*
Davis, Charles Everett,	*Wisconsin.*
Dorothy, Michael Joseph,	*Illinois.*
Dryden, James Mair,	*Ontario, Can.*
Dugan, J. C.,	*Illinois.*
Dupuy, Thomas Mille,	*Louisiana.*
Eaton, Charles David,	*Illinois.*
Ellis, Arthur J.,	*California.*
Ellis, William Harry,	*Minnesota.*
Engel, George Louis,	*Illinois.*
Fisher, Frank Edward,	*Ohio.*
Fleming, James Clinton,	*Wisconsin.*
Foster, Charles Gelutiah,	*Iowa.*
Fowler, Orel S.	*Oregon.*
Fuller, Clark Anthony,	*Wisconsin.*
Galligan, Thomas Francis,	*Iowa.*
Geiger, Emil Daniel,	*Illinois.*
Gilchrist, Harry Alexander,	*Canada.*
Gilchrist, Mont Rankin,	*New Brunswick, Can.*
Gill, John Hunter,	*Illinois.*
Gordon, Howard E.,	*Indiana.*
Gregg, Edwin Stanton,	*Illinois.*
Griffith, Edmund Llewellyn,	*Illinois.*
Goodman, George Oscar,	*S. Dakota.*
Guerne, Alfred Augustus,	*California.*
Hadley, Chauncey Joseph,	*Iowa.*
Haffa, Frank Arthur,	*Iowa.*
Hall, T. Devereaux,	*Missouri.*
Hammond, Roscoe Brant,	*Kansas.*
Hancock, Herbert Harold,	*Wisconsin.*
Hardie, John James,	*Illinois.*

Harris, Sara,	*Montana.*
Hayes, Ira Paul,	*Nebraska.*
Headley, Sidney,	*S. Dakota.*
Hemphill, Wilbur J.,	*Iowa.*
Hess, John Edward Burt,	*Wisconsin.*
Hicks, William Herbert,	*Iowa.*
Himes, Jennie Eva,	*S. Dakota.*
Hodge, Hugh Wallace,	*Missouri.*
Hopper, Charles,	*Illinois.*
Howell, Herbert Roosevelt,	*Michigan.*
Hoxie, Charles Ray,	*Iowa.*
Hullhorst, Lewis,	*Nebraska.*
Jennings, George C.,	*Nebraska.*
Jones, John Paul,	*Illinois.*
Johnson, Charles Emil,	*Minnesota.*
Kaser, Elmo Hiley,	*Oregon.*
Keller, David H.,	*Illinois.*
Kennedy, George Alexander,	*Ontario.*
Kenyon, Ronald Bush,	*Illinois.*
Kernan, Joseph Francis,	*Kansas.*
Kitchen, Curtis John Burwell,	*Canada.*
Kettles, F.,	*Illinois.*
Kleinecke, Louis Christian,	*Texas.*
Landess, Eugene Shofner,	*Tennessee.*
Lane, Albert Leslie,	*Oregon.*
Lasker, Herman,	*Illinois.*
Lippert, Joseph Simon,	*Illinois.*
McAllister, Renaldo Eugene,	*Illinois.*
McCallum, Frederick William,	*Indiana.*
McMaster, Glenn A.,	*Iowa.*
McMillan, William Duncan,	*Minnesota.*
McStay, Earl Edward,	*Iowa.*
McVay, Augustus Bently,	*Illinois.*
Macpherson, Egbert Earl,	*Illinois.*
Maginnis, Eugene,	*Iowa.*
Malony, Wm. Henry,	*Iowa.*
Matheson, George Angus,	*Iowa.*
Mau, Otto Frederick,	*Illinois.*
Maurer, Nellie Ethel,	*Nebraska.*
Michalski, Frank Alfonzo,	*Wisconsin.*
Meyer, Frank Appelman,	*Iowa.*
Miller, Lewis Mark,	*Nebraska.*
Minnis, Harry Lee,	*Illinois.*
Moody, George Roy,	*Indiana.*

Mullican, Lorenza Alverado,	*Indiana.*
Mueller, Frida Emilie,	*Germany.*
Munson, Robert Hoyle,	*Iowa.*
Nelson, William,	*Iowa.*
Niswander, Charles Harvey,	*Iowa.*
O'Brien, John Denis,	*Minnesota.*
O'Connell, John Joseph,	*Illinois.*
Opland, Joseph Segwardt,	*South Dakota.*
Pardee, Silas Birdsail,	*California.*
Parkinson, David Talbott,	*Kansas.*
Parks, Pearl,	*Illinois.*
Parks, Robert Smith,	*Illinois.*
Peterson, W. E.,	*Minnesota.*
Piner, Henry Edward,	*Iowa.*
Polin, Oscar Martin,	*Wisconsin.*
Pollock, William Myers,	*Oregon.*
Pool, Hardy Fayette,	*Iowa.*
Poundstone, George Corwin,	*Illinois.*
Price, Frederick Orion,	*Iowa.*
Proctor, William Orson,	*Missouri.*
Reese, Elmo David,	*Wisconsin.*
Reichert, Charles Scott,	*Iowa.*
Renius, Victor,	*China.*
Richards, William Freeman,	*California.*
Ritson, Joseph Henry,	*Michigan.*
Sanford, Charles Wesley,	*Wisconsin.*
Shill, John Edward,	*Indiana.*
Shless, Abe Lewis,	*Illinois.*
Shumaker, Frank Mead,	*Illinois.*
Silverberg, Henry M.,	*Illinois.*
Sinn, Jens Johannes,	*Iowa.*
Smith, Daniel Hallie,	*Illinois.*
Smith, George Hill,	*Illinois.*
Southwick, W. R.,	*New York.*
Spencer, Edward Albert,	*Manitoba.*
Speir, Ernest Arthur,	*Australia.*
Spindlo, Thomas Henwood,	*England.*
Stanley, William Raymond,	*Minnesota.*
Steinbaur, Charles Frederick,	*Michigan.*
Stevens, Wirt Allen,	*Illinois.*
Stokes, John Francis,	*Illinois.*
Swigert, George Orton,	*Illinois.*
Thomas, David Ellis,	*Wisconsin.*
Thomas, Edward Smith,	*Illinois.*

Thomas, Lewis Edwin,	*Illinois.*
Thompson, Edwin Cook,	*Illinois.*
Tower, Ray Leighton,	*South Dakota.*
Tucker, Carl Allen,	*Oregon.*
Tyler, Alva Duane,	*Michigan.*
Uglow, Stanley John,	*Ontario, Can.*
Ulvestad, Oliver Martin,	*Minnesota.*
Vaughan, John Beverly,	*Missouri.*
Waddell, William M.,	*Utah.*
Weaver, Harold Townsend,	*Nebraska.*
Weir, William Arnold,	*Ontario, Can.*
Welsh, Stanley C.,	*Wisconsin.*
Weyhe, Henry Theodore,	*Minnesota.*
Wilbur, Charles Oren,	*Wisconsin.*
Wildermuth, Louis Frederick,	*Indiana.*
Williams, Fred Hayes,	*Indiana.*
Williams, Leonard Alphonzo,	*Illinois.*
Wolfe, Edwin Ferdinand,	*Wisconsin.*
Zederbaum, George,	*Illinois.*
Ziegler, Horace Allen,	*Illinois.*
Zimmermann, Henry T.,	*Minnesota.*

JUNIOR CLASS.

Addison, Earl Stanley,	*S. Dakota.*
Bacon, Lee Ashley,	*Illinois.*
Baker, Charles Reeder,	*Illinois.*
Baker, John Ellsworth,	*Wisconsin.*
Bane, Raymond Waldo,	*Illinois.*
Barber, Edward Sutherland,	*S. Dakota.*
Bartlett, Thomas Dell,	*Illinois.*
Beaumont, Gulie Alexander,	*Texas.*
Becker, Sebastian,	*Illinois.*
Belknap, Henry Wales,	*Illinois.*
Bergbom, George Nathaniel,	*Illinois.*
Blackmore, Earl James,	*Michigan.*
Blaisdell, Edward Ward,	*Minnesota.*
Blake, William Earl,	*Oregon.*
Bronson, Almon Edson,	*Iowa.*
Brooks, W. W.,	*Illinois.*
Brunner, Albert Henry,	*Iowa.*
Burbank, Glen Canary,	*California.*
Burgson, Clarence Edward,	*Minnesota.*
Calvert, Alvah Wort,	*Indiana.*
Carlene, Mrs. Helfrid,	*Sweden.*

Carlile, Walter W.,	*Minnesota.*
Chandler, Edward Teneyck,	*Illinois.*
Christie, Herbert Franklin,	*Canada.*
Church, Truman Tracy,	*S. Dakota.*
Churchill, Lester Frank,	*Illinois.*
Clark, Irving A.,	*Illinois.*
Courtice, Andrew John,	*Canada.*
Craig, William Pollock,	*Pennsylvania.*
Crane, Edwin A.,	*Illinois.*
Currer, George Robert,	*Iowa.*
Cutler, Brenton Claude,	*Michigan.*
Dannatt, Ernest G.,	*Iowa.*
Dauterive, Albert Joseph,	*Louisiana.*
Davis, Robert L.,	*Tennessee.*
Dewey, Herbert Chester,	*Illinois.*
Dodge, Morton Stanley,	*Wisconsin.*
Dodge, Wilbert Jacob,	*Minnesota.*
Edgar, William,	*Illinois.*
Ekstrom, Ernest Sune,	*Sweden.*
Fairfield, George Morton,	*Illinois.*
Fisher, Ambrose Terry,	*Michigan.*
Forrest, Elvira,	*Illinois.*
Fox, George Thomas,	*Illinois.*
Gottlieb, David Hart,	*Oregon.*
Greeley, Harold Wilcox,	*Illinois.*
Gregg, Edwin Stanton,	*Illinois.*
Grinde, Seward Clarence,	*Illinois.*
Grove, George Carlton,	*Illinois.*
Hamilton, Dillon,	*Kansas.*
Harder, Louis Frank,	*Wisconsin.*
Harris, Sara,	*Montana.*
Hart, Charles Simpson,	*Illinois.*
Hegge, Edward Nelson,	*Wisconsin.*
Heller, Matthew,	*Kansas.*
Heymar, Alfred,	*Poland.*
Hilbert, John Carton,	*Wisconsin.*
Hoffer, Frederic Crider,	*Ohio.*
Hogan, Thomas Joseph,	*New York.*
Holmin, Oscar Serenus,	*Illinois.*
Hopper, Charles,	*Illinois.*
Huber, Charles Robert,	*Iowa.*
Huff, Robert E.,	*Michigan.*
Hughes, Herbert Schluter,	*Tennessee.*
Hughes, John Michael,	*Wisconsin.*

Hutchinson, Leo Simplicous,	*Iowa.*
Igney, Oscar Cornelius,	*Illinois.*
Ingersoll, Francis Byron,	*Indiana.*
Jackson, George Raymond,	*Illinois.*
Janes, Charles Alonto,	*Washington.*
Keefe, George Paul,	*Illinois.*
Kessler, Warren J.,	*Indiana.*
Knapp, Lee Roy Allen,	*Illinois.*
Kocher, William,	*Illinois.*
Laffitte, Herman James,	*Wisconsin.*
Lampe, Carl Henry,	*South Dakota.*
Land, John Adolph,	*Germany.*
Lawrence, Ivy Garfield,	*Illinois.*
Linaker, George Henry,	*Scotland.*
Lind, Adam,	*Illinois.*
Lowe, James Osmer,	*Illinois.*
Link, John J.,	*Iowa.*
Looze, John Battiste,	*Wisconsin.*
McAvoy, Robert Chris.,	*Canada.*
McElroy, Joseph Daniel,	*Illinois.*
McGaw, Andrew Ernest,	*North Dakota.*
McNinch, Joseph Scott,	*Illinois.*
Magee, Cecil James,	*Canada.*
Mailer, Harry Orlandy,	*Minnesota.*
Marks, David Graham,	*Illinois.*
Maxwell, Roscoe Conklin,	*Kansas.*
Melde, Martin Thompson,	*Norway.*
Miller, James Madison,	*Michigan.*
Miller, Julius John,	*Iowa.*
Miller, Robert Tatham,	*Illinois.*
Mitchell, William Arthur,	*Illinois.*
Moore, Dwight Edwin,	*Illinois.*
Mullen, George Martin,	*Nebraska.*
Mullen, Joseph Henry,	*Oklahoma.*
Mullen, William Henry,	*Nebraska.*
Murphy, Lloyd Lawrence,	*Minnesota.*
Nelson, John,	*Illinois.*
Norman, Mrs. Sarah C.,	*Illinois.*
Normoyle, Dennis James,	*Illinois.*
Olson, Aaron Miles,	*Illinois.*
Packard, Gerald Jay,	*Nebraska.*
Packson, Ernest Shear,	*Kansas.*
Patton, Murray Albert,	*California.*
Peters, William August,	*Illinois.*

Peterson, Arthur Clark,	*Iowa.*
Phillips, Jesse W.,	*Minnesota.*
Phillips, Warren Byron,	*Minnesota.*
Pierce, Loren George,	*Iowa.*
Porter, Mrs. Helen Kerns,	*Illinois.*
Redmond, George Hamilton,	*Kansas.*
Renius, Victor,	*China.*
Rhodes, Walter Louis,	*Tennessee.*
Roberts, Rufus, John,	*Wisconsin.*
Richter, Jay J.,	*Minnesota.*
Robertson, Arthur Hayes,	*Wisconsin.*
Ross, Allie Glenn,	*Illinois.*
Ross, Herbert,	*Ontario, Can.*
Rothlisberger, George Bruce,	*Minnesota.*
Runner, Charles Frederick,	*Illinois.*
Salisbury, William James,	*Illinois.*
Sanberg, Frank Eber,	*Minnesota.*
Sauer, Andrew William,	*Iowa.*
Schmidt, Oscar Charles,	*Iowa.*
Schulz, Otto Henry,	*Illinois.*
Seymour, Charles Herbert,	*Indiana.*
Shiels, Guy James,	*Wisconsin.*
Shipstead, Henry S.,	*Minnesota.*
Sloan, Frank Twiss,	*Iowa.*
Smith, Austin Ora,	*Illinois.*
Smith, Charles Edward,	*Illinois.*
Smith, Edgar Wilson,	*Illinois.*
Smith, Perry Lee,	*Illinois.*
Stephens, John Murray,	*Illinois.*
Thayer, William John,	*Illinois.*
Theile, Alvin A.,	*Iowa.*
Tracy, Frank Waller,	*Iowa.*
Thompson, Charles Henry,	*North Dakota.*
Trompen, Andrew Nichols,	*Michigan.*
Waddell, James Clark,	*Illinois.*
Wagoner, John Benjamin,	*Illinois.*
Walkow, Henry Emil,	*Wisconsin.*
Welker, John Jay,	*Ohio.*
Welsh, Isabell B.,	*Iowa.*
Welsh, Stanley C.,	*Wisconsin.*
Wenner, Alvah Leroy,	*Illinois.*
Wick, William Walter,	*Illinois.*
Woolson, Bert H.,	*Minnesota.*
Yant, G. A.,	*Illinois.*

Yeamans, Edwin Glenway,	*South Dakota.*
Young, Gerhart Henry,	*Wisconsin.*

FRESHMAN CLASS.

Abbott, Florence Ethel,	*Michigan.*
Anderson, Arthur H.,	*Minnesota.*
Arnold, Elisha Melvin,	*Illinois.*
Bachmann, Albert John A.,	*Illinois.*
Baker, Charles Herbert,	*Illinois.*
Beart, Leslie,	*Illinois.*
Bernhardt, John,	*Illinois.*
Bernheisel, William Frank,	*Pennsylvania.*
Best, Walter Thomas,	*Illinois.*
Bever, Charles D.,	*Iowa.*
Bartsch, Frederick George,	*Illinois.*
Bay, George Phillips,	*Illinois.*
Barney, Paul Wood,	*Minnesota.*
Blakely, Mrs. F. J.,	*Illinois.*
Bohrer, John David,	*Missouri.*
Branstad, Henry Oswald,	*Wisconsin.*
Bronson, Jessie Lyman,	*Iowa.*
Brosnihan, Fred H.,	*Illinois.*
Butler, Russell Harris,	*Indiana.*
Carlton, Robert Emmett,	*Illinois.*
Carter, William W.,	*Illinois.*
Cecka, Joseph Ben.,	*North Dakota.*
Chandler, Frank Wadsworth,	*Minnesota.*
Chapline, William Edward,	*Illinois.*
Chandler, Edward Teneyck,	*Illinois.*
Clark, Henry Bannister,	*South Dakota.*
Clark, Irving A.,	*Michigan.*
Close, Ralph Edward,	*Illinois.*
Coffman, Ansel Victor,	*Illinois.*
Cole, Arthur L.,	*Illinois.*
Collins, Joseph Hickman,	*Illinois.*
Conklin, Bishop Albert,	*Illinois.*
Connell, J. J.,	*Illinois.*
Cook, Arie,	*Michigan.*
Crapple, R. V.,	*Illinois.*
Creeden, Timothy J.,	*Minnesota.*
Cunningham, Clarence E.,	*Wisconsin.*
Currier, Guy Raymond,	*Minnesota.*
Davis, Guilford B.,	*Oklahoma.*
Dearborn, Helen Towle,	*Iowa.*

Denning, Roy Joseph,	*Michigan.*
DuBois, Leon Leroy,	*Iowa.*
Dyblie, John Helmer,	*Illinois.*
Devlin, William,	*N. Dakota.*
Emerson, Charles Milton,	*Illinois.*
Fansett, Fred,	*North Dakota.*
Ford, John Alexander,	*Canada.*
Forssell, Frank H.,	*Minnesota.*
Fritz, Frederic S.,	*Michigan.*
Fulton, Fredrick Franklin,	*Illinois.*
Galbreath, Merit E.,	*Michigan.*
Gale, Frank Willis,	*Illinois.*
Gale, Mell Edwin,	*Nebraska.*
Garrett, Edgar Raymond,	*Wisconsin.*
Gash, Harvey B.,	*Illinois.*
Gaus, Julius John,	*Illinois.*
Goggin, John William,	*Wisconsin.*
Gouse, Marcus Wesley,	*Illinois.*
Greenwood, Alexander S.,	*Illinois.*
Gray, Frank K.,	*Illinois.*
Gray, William Joseph,	*Illinois.*
Grayston, Hayden Barton,	*Indiana.*
Guest, Henry Quincy,	*Illinois.*
Hagan, John,	*Illinois.*
Hagerup, Myron Francis,	*Wisconsin.*
Hamilton, Baker Aaron,	*Canada.*
Harsch, Benjamin Theodore,	*Illinois.*
Harris, Bert Alfred,	*Illinois.*
Harris, Sara,	*Montana.*
Haviland, Holmes Weston,	*Kansas.*
Hayden, John C. E.,	*Illinois.*
Heck, Eli George,	*Illinois.*
Heidel, Franklin Edward,	*Minnesota.*
Hesse, John Lewis,	*Iowa.*
Hiltz, H. E.,	*Nova Scotia.*
Hoag, Arthur Edwin,	*Wisconsin.*
Holberg, Oscar H.,	*Nebraska.*
Hooey, Leslie Ernest Arthur,	*Canada.*
Hurd, Hugh Chester,	*Michigan.*
Horn, Clarence,	*Illinois.*
Huff, Ralph Thomas,	*Illinois.*
Johnson, Albert Nelson,	*Wisconsin.*
Johnson, Theodore,	*Illinois.*
Jones, Roger Theodore,	*Wisconsin.*

Juul, Axel,	*Minnesota.*
Kaiser, William,	*Pennsylvania.*
Kelly, John Joseph,	*Illinois.*
Kent, William,	*Illinois.*
Kirk, M. W.,	*British Columbia.*
Kolkowski, Stanley Joseph,	*Illinois.*
Laign, Edward Arthur,	*Illinois.*
Lakin, Jesse,	*Illinois.*
Lamm, Phil T.,	*Missouri.*
Leavitt, Mrs. May B.,	*Illinois.*
Lehmann, Fred William,	*Wisconsin.*
Laughlin, James Rowland,	*Indiana.*
Lietzman, Charles Harmon,	*Illinois.*
Loofboro, Erlow Bliss,	*Iowa.*
Low, Roy James,	*Illinois.*
Ludwig, Leon E.,	*Illinois.*
Lynn, Arthur Ray,	*Iowa.*
Madison, George Addison,	*Minnesota.*
Malcolm, John Lile,	*Canada.*
Marr, Glenn DeMotte,	*Indiana.*
Macdonald, Norman Arthur,	*Illinois.*
Malnight, Clyde Lyn,	*Michigan.*
Markwell, W. L.,	*Kentucky.*
Mathews, John Lewis,	*Wisconsin.*
McClenahan, Frank Clifton,	*Illinois.*
McCowen, Eugene Percival,	*Illinois.*
McCumber, Clyde Isaiah,	*Illinois.*
McIntire, James McAdam,	*Canada.*
McKnight, Robert Franklin,	*Illinois.*
Medsker, Ora Levertia,	*Indiana.*
Melaik, N.,	*Illinois.*
Miller, Jennie Louise,	*Kansas.*
Miller, Orlen Jacob,	*Wisconsin.*
Moe, William James,	*Wisconsin.*
Mohan, Joseph Conness,	*Iowa.*
Monteith, E. Belford,	*Iowa.*
Montelius, George A.,	*Minnesota.*
Moreau, Joseph,	*Michigan.*
Myer, William Lindley,	*Illinois.*
Mullholland, Frederick Garfield,	*Illinois.*
Nelson, Charles Albert,	*Illinois.*
Noble, Frank Jerome,	*Wisconsin.*
Nunn, F. W.,	*Kentucky.*
Olsen, Frederick A. H.,	*Illinois.*

Ostrander, Bunyan W.,	*Michigan.*
Paisley, James Thomas,	*Illinois.*
Parke, Fred,	*Illinois.*
Patton, Etta W.,	*Nebraska.*
Pfister, Leon L.,	*Wisconsin.*
Phelps, Edgar Burns,	*California.*
Pierce, James Samuel,	*Nebraska.*
Pottle, Lovejoy,	*Illinois.*
Powers, S. B.,	*Wisconsin.*
Prindle, Richard Hedenberg,	*Illinois.*
Printz, Merle Mayo,	*Illinois.*
Prouty, Edward Aye,	*Wisconsin.*
Rand, Thomas,	*Minnesota.*
Rasmussen, Alfred Theodore,	*Wisconsin.*
Renius, Victor,	*China.*
Rhodes, Walter Louis,	*Tennessee.*
Richardson, Robert George,	*North Dakota.*
Rimmer, Walter Harcourt,	*Illinois.*
Robinson, William Joseph,	*Iowa.*
Rooke, R. S.,	*Illinois.*
Rossteuscher, Edwin Ralph,	*South Dakota.*
Samson, William Roy,	*Iowa.*
Sauer, Julius Raymond,	*Iowa.*
Schmitz, Matthew,	*Illinois.*
Schmuck, Emil Albert,	*Minnesota.*
Schofield, Herbert Shaw,	*Illinois.*
Schroeder, Margaretha Maria,	*Germany.*
Scholler, Daniel,	*Indiana.*
Schwartz, Bernhardt Fredrick,	*Iowa.*
Selleck, Charles Herbert,	*Illinois.*
Shaw, J. E.,	*Canada.*
Sherer, A. H.,	*Michigan.*
Slick, Albert B.,	*Illinois.*
Sluss, Frank LeRoy,	*Illinois.*
Smith, Edgar Wilson,	*Illinois.*
Smith, James Perry,	*Michigan.*
Sommerfeld, Oscar Emel,	*Germany.*
Somerville, D. M. W.,	*Canada.*
Staga, August H.,	*Illinois.*
Stalland, Martin Christian,	*Minnesota.*
Sweeney, Owen Charles,	*Illinois.*
Swartout, Benjamin,	*Minnesota.*
Thorpe, James William,	*Illinois.*
Thompson, George Patterson,	*Canada.*

Thompson, Harry,	*Wisconsin.*
Thorson, William Julius,	*Nebraska.*
Tilden, Morton Cranage,	*Illinois.*
Tillinghast, Carl,	*Iowa.*
Timmins, Eldred Dufferin,	*North Dakota.*
Trerise, Walter Elbert,	*Montana.*
Van Deusen, Harry Morehouse,	*Illinois.*
Van Sant, Ralph Newton,	*Illinois.*
Watson, Merideth,	*Illinois.*
Walker, Willie C.,	*Illinois.*
Walton, Roy Page,	*Michigan.*
Werner, Fredrick Harold,	*Indiana.*
Wetterer, Frederick Jacob,	*Illinois.*
Wharton, William F. Roscoe,	*South Dakota.*
Whitney, Glen Burnard,	*Michigan.*
Williams, Hugh,	*Wisconsin.*
Willson, Clarke Mills,	*Minnesota.*
Willson, Ellis Oscar,	*North Dakota.*
Wiswall, Willard Jason,	*Illinois.*
Wood, Bertram Guy,	*Illinois.*
Wood, John Adam,	*North Dakota.*
Woodward, Oscar Hale,	*Illinois.*

THE WOMAN'S MEDICAL SCHOOL.

SENIORS.

Baumann, Alice H.,	*Manchester, Eng.*
Blakelidge, Rose Mary,	*LaGrange.*
Evans, Rebecca Mortimer,	*Kent, O.*
Gaston, M. Adelaide,	*Cerro Gordo.*
Hillman, Augusta Frances, M.D.,	*Chicago.*
Hauser, Kathryn, M.D.,	*St. Louis, Mo.*
Lantz, Ida,	*Congerville.*
Metzner, Alice P., M.D.,	*Kansas City, Mo.*
Owsley-Russell, Jennie, M.D.,	*Chicago.*
Rutledge, Frances Ettrican,	*Garden City, Kansas.*
Tallman, Susan B., Ph.B., Iowa College, Grinnell, Iowa.	*Grinnell, Ia.*
Upton, Mabel,	*Hudson, Wis.*

JUNIORS.

Bergstrom, Victoria Albertine,	*Chicago.*
Haeusler, Annie M.,	*Chicago.*
Janson, Sara A., A.B., Chicago University.	*Albert Lea, Minn.*
Johnson, Nellie Bernice,	*Danville.*
Jones, Susan,	*Racine, Wis.*
Keith, Ora Dell, A.B., Park College, Parkville, Mo.	*Maysville, Ark.*
Line, Josephine Alice,	*Hiram, O.*
Mitchell, Esther, B.S., Monmouth College, Monmouth, Ill.	*Kirkwood.*
Piasecki, Caroline Dorathea,	*St. Paul, Neb.*
Tunnicliff, Ruth, A.B., Vassar College, Poughkeepsie, N.Y.	*Macomb.*
Ullman, Eva Prescott,	*Chicago.*
Vorsanger, Rose,	*Cleveland, O.*
Wyant, Florence Bell,	*Adrian, Pa.*
Zelezney, Otillie,	*Chicago.*

SOPHOMORES.

Baker, Helen Mary, Northwestern University.	*Manhattan.*
Beall, Edith Viola,	*Alton.*
Beattie, Helen Pearl,	*Antigo, Wis.*

Bond, Xenia Ethel, A.B., Salem College, W. Va.	*Aberdeen, W. Va.*
Butler, Elzora,	*Johnstown, Pa.*
Curran, Amy Diana,	*Payette, Idaho.*
Gimson, Esther,	*Chicago.*
Gregg, Helen E.,	*Chicago.*
Hood, Mary E.,	*Sioux City, Ia.*
Hook, Hattie,	*Boston, Mass.*
Kalb, Ethelbert, Park College, Parkville, Mo.	*Parkville, Mo.*
Koons, Susan Lillian,	*Harveyville, Pa.*
Longstreet, Martha,	*Saginaw, Mich.*
Lundwall, Olla,	*Helena, Mont.*
Murphey, Veda Chiperfield,	*Cuba.*
Pollock, Edith Cory,	*Oak Park.*
Rhodes, Nellie M.,	*Indianapolis, Ind.*
Tanquary, Florence Matina,	*Albion.*

FRESHMEN.

Abbott, E. Louise,	*Dowagiac, Mich.*
Ammermann, Esther,	*Perry, Ia.*
Allen, Julie E.,	*Oak Park.*
Baker, Nellie,	*Onarga.*
Barrere, Kitty,	*Canton.*
Davies, Leora,	*Crookston, Minn.*
Evans, Florence,	*East St. Louis.*
Fish, Martha,	*Oak Park.*
Hardin, Lida,	*Memphis, Tenn.*
Herrinton, Minerva, A.B., Cornell College, Mt. Vernon, Ia.	*Mt. Vernon, Ia.*
Jacobs, Wilhelmina, B.S., Wheaton College, Wheaton, Ill.	*Chicago.*
Kacin, Walborge,	*Chicago.*
Little, Bonnie May,	*Geneva.*
Lochead, Jeane,	*Jessup, Iowa.*
McCord, Frances,	*Blue Island.*
Mikkelson, Agnes,	*Chicago.*
Moore, Nanna,	*Chicago.*
Mace, Elizabeth,	*Chicago.*
Prindle, Edith,	*Evanston.*
Ridlon, Hester,	*Evanston.*
Ringle, Leona B.,	*Cleveland, O.*
Singh, Bamba Sophia Jindah Duleep,	*London, England.*
Stacy, Leda,	*Ringe, Minn.*

THE SCHOOL OF MUSIC.

Albritton, Elmer Sandford,	*Salt Lake City, Utah.*
Allen, Jessie Isabelle,	*Watertown, S. Dak.*
Anderson, Mrs. Jennie,	*Evanston.*
Andrews, Daisy Ida,	*Salmon, Idaho.*
Anguish, Maude Darling,	*Chicago.*
Applegate, Lena,	*Red Oak, Iowa.*
Armstrong, Christopher Lawrence,	*Milan.*
Atwood, Christine,	*Beloit, Kan.*
Babcock, Iole Ione,	*Clinton, Wis.*
Ball, Vera Goldie,	*Evanston.*
Balmer, Ruth,	*Evanston.*
Barber, Ethel Josephine,	*Rogers Park.*
Barnard, Herman,	*Oswego.*
Barry, Frank Edward,	*Aurora.*
Barry, Curtis A.,	*Chicago.*
Bauth, Anna G.,	*Argyle Park.*
Beaton, Mary Gregory,	*Rogers Park.*
Beckett, Bessie,	*Blue Mound.*
Beebe, Anna L.,	*Evanston.*
Beecher, Carl Milton,	*Lafayette.*
Beeman, Cora A.,	*Waukon, Iowa.*
Bjorge, Selma Marie,	*Thompson, N. Dak.*
Benson, Anna,	*Rogers Park.*
Blair, Charles Scofield,	
Boorman, Genevieve Marie,	*Evanston.*
Bragdon, Elizabeth,	*Evanston.*
Boyer, Pearl,	*Denver, Col.*
Bragdon, Sarah Frances,	*Evanston.*
Bragg, Lawrence D.,	*Evanston.*
Bronson, Edna Myrene,	*Evanston.*
Brookings, Mrs. E. F.,	*Woodward, Iowa.*
Brown, Gale Bain,	*Sycamore.*
Brown, Lillian Mabel,	*Evanston.*
Buck, Bessie,	*Essex, Ia.*
Bucker, William,	*Clearmont, Mo.*
Bucker, Walter,	*Clearmont, Mo.*

Caffyn, Mrs. J. R.,	*Evanston.*
Chicken, Sada R.,	*Ipava.*
Childs, Florence,	*Evanston.*
Claypool, Jessie,	*Aylesworth, Ind.*
Coffman, A. V.,	*Elkhart, Ind.*
Coleman, Edith Pearl,	*Joy.*
Coonrod, Ethel Ella,	*Rock Rapids, Ia.*
Conoway, Cora,	*York, Neb.*
Conoway, Jessie,	*York, Neb.*
Currier, Nellie Pearson,	*Evanston.*
Curtner, Allie Vern,	*Hazleton, Ind.*
Dale, Margaret,	*Evanston.*
Dawes, Mrs. R. C.,	*Evanston.*
Davis, Oliver Colonel,	*Du Quoin.*
Dean, Mrs. Rosa Tyler,	*Evanston.*
Dewar, Elsa,	*Edgewater.*
Dodge, Louis Norton,	*Evanston.*
Dunn, Mabel Adella,	*Evanston.*
Earngey, Jennie Caldwell,	*Wilmette.*
Ellis, Isabelle,	*San Antonio, Tex.*
English, Arthur Floyd,	*Evanston.*
English, Lela,	*Evanston.*
Englund, Esther Matilda,	*Jordan, Minn.*
Ericson, Grace Olivia,	*Evanston.*
Ewell, Marion,	*Evanston.*
Fahs, Gertrude Elizabeth,	*Seattle, Wash.*
Fallon, Lucy Hanenkamp,	*Edgewater.*
Farmer, Harry,	*Evanston.*
Fiddick, Florence,	*Galena.*
Fielding, Mae,	*Rogers Park.*
Flannery, Florence,	*Wheaton.*
Flannery, Mrs. John,	*Evanston.*
Flodin, Bertha Hester,	*Hutchinson, Kan.*
Flodin, Nellie Beulah,	*Hutchinson, Kan.*
Francis, Mabelle Loretta,	*Charlevoix, Mich.*
Frank, Mame A.,	*Red Oak, Ia.*
Fredendoll, Viola,	*Cushing, Ia.*
Fricke, Amanda,	*Chicago.*
Gallagher, Leroy Edward,	*Carroll, Ia.*
Gates, Mrs. Fannie M.,	*Evanston.*
Gillan, Jennie,	*Wellington.*
Gitchel, Carrie Edna,	*Leaf River.*
Goetzman, Beatrice B.,	*Boone, Ia.*
Gothard, Ina Lewis,	*Fort Jones, Cal.*

Graves, Irene M.,	*Evanston.*
Griffith, Nina Gertrude,	*Denver, Col.*
Grigson, Blanche Lenora,	*Augusta.*
Haake, Charles John,	*Ravenswood.*
Hall, Caroline,	*Evanston.*
Hardin, Bertha Rae,	*Evanston.*
Hargrave, Margaret Douglas,	*Baraboo, Wis.*
Harris, H. H.,	*Greenville, Mich.*
Harris, Mrs. Hugh,	*Greenville, Mich.*
Hoyt, Florence Hastings,	*Evanston.*
Hastings, Lila Mae,	*Cairo.*
Haugan, Alice Julia,	*Evanston.*
Hawkins, Minnie,	*Stanton, Ia.*
Hawks, Mildred,	*Atwood.*
Hazleton, Jessie Lucia,	*Evanston.*
Hebblethwaite, Mrs. John,	*Evanston.*
Hoff, Amelia Anna,	*Evanston.*
Hopwood, Grace B.,	*Kearney, Neb.*
Hull, Winifred,	*Evanston.*
Hummel, Rose,	*Chicago.*
Hurford, Blanche,	*Glencoe.*
Inglis, Ruth Victoria,	*Evanston.*
Isbester, Ethel Anastacia,	*Evanston.*
Jennings, Mrs. Ada B.,	*Scribner, Neb.*
Johnson, Myrtle,	*Evanston.*
Jones, Florence,	*Edgewater.*
Kent, Bessie Frances,	*San Jose, Cal.*
Kindall, Hortense,	*Onawa, Ia.*
Keneipp, Ethel,	*Mt. Carmel.*
Kinnison, Effie,	*Goshen, Ind.*
Kitchell, Helen West,	*Milwaukee, Wis.*
Landis, Alice,	*Palmyra, Mo.*
Langdon, Grace Georgia,	*North Platte, Neb.*
Linne, Edna Hildegard,	*Red Wing, Minn.*
Lounsbury, Gertrude Maie,	*Wahpeton, N. D.*
Lowenstine, Nannette,	*Valparaiso, Ind.*
MacFarlane, Jessica Lillian,	*Rome, Wis.*
McCord, Bertha Clendenin,	*Willsburg, W. Va.*
McClelland, Anna Elizabeth,	*Monono, Ia.*
McDonald, Edna,	*Evanston.*
McKean, Myrta Claire,	*Wahpeton, N. D.*
McTavish, Catherine,	*Central City, Ia.*
Mace, Gertrude,	*Evanston.*
Manley, Mary Mariah,	*Mt. Carmel.*

Marceau, Maude,	*Manteno.*
Mariner, Madge Ogdon,	*Evanston.*
Mattison, Georgia D.,	*Evanston.*
Mattison, Olinia M.,	*Evanston.*
Maxham, Gertrude Evelyn,	*Rogers Park.*
Meents, Grace Olive,	*Ashkum.*
Meredith, Frances,	*Memphis, Tenn.*
Merrilies, Mary,	*Winnetka.*
Merrilies, Sarah Louise,	*Winnetka.*
Metcalf, Kate,	*Evanston.*
Millar, Caroline Jane,	*Evanston.*
Miller, Alta Dorothy,	*Evanston.*
Miller, Mrs. Edwin Y.,	*Fort Sheridan.*
Miller, Emily,	*Evanston.*
Miller, May Gullette,	*Fort Smith, Ark.*
Miller, Zada Lou,	*Rock Bridge.*
Minney, Mrs. Mary,	*Chicago.*
Mitchell, Mrs. Ruth,	*Evanston.*
Mockford, Adelaide,	*Evanston.*
Mockford, Sue,	*Evanston.*
Morehart, Nellie Hortense,	*Chanute, Kan.*
Morey, Ray E.,	*Napoleon, Ohio.*
Mutchler, Iva,	*Center Point, Iowa.*
Newcomb, Lola Montez,	*Evanston.*
Nuckels, Belle Marion,	*Evanston.*
Oakes, Minnarose,	*Evanston.*
Osland, Estella M.,	*Evanston.*
Ott, Aureola,	*Chicago.*
Owen, Edna Mary,	*West Pullman.*
Park, Jessie Margaret,	*Alexandria, Neb.*
Paterson, Elsie Hill,	*Evanston.*
Patterson, Maude Lillian,	*Evanston.*
Peacock, Helen,	*Morris.*
Peterson, Anna Margaret,	*Chicago.*
Petrie, John,	*Evanston.*
Phillips, Charlotte Jane,	*Evanston.*
Phillips, Grace Elizabeth,	*Ravenswood.*
Picheraeu, May,	*Lacon.*
Porter, Mrs. Albert,	*Evanston.*
Porter, Bertha,	*Evanston.*
Porter, Jeanette Everett,	*Freeport.*
Powell, Mrs. Florence,	*Alvine.*
Pratt, Ellen,	*Evanston.*
Pratt, May Porter,	*Evanston.*

Pratt, Ida Mabel,	*Rogers Park.*
Price, Mrs. E. G.,	*Evanston.*
Price, Stella,	*Evanston.*
Pulford, Pearl Bothwell,	*Savannah.*
Raymond, Elizabeth,	*Evanston.*
Rea, Harry Andrew,	*Chicago.*
Rech, Alma Katherine,	*Chicago.*
Redfern, Mae,	*Galena.*
Reid, Hazel,	*Parsons, Kan.*
Rippeteau, Olive May,	*Jamestown, Ind.*
Roe, G. Bradley,	*Evanston.*
Roeder, Edward M.,	*Keokuk, Iowa.*
Rosborough, John M.,	*Sparta.*
Ryan, Dora L.,	*Chicago.*
Scribner, Anne,	*Evanston.*
Seely, John Gordon,	*Aurora.*
Shepard, William Odell,	*Englewood.*
Shotwell, Elizabeth Liddell,	*Evanston.*
Siller, Mabel Harriet,	*Evanston.*
Simonds, Marshall,	*Chicago.*
Spencer, Edna O.,	*Centralia.*
Stanton, Edna,	*Marinette, Wis.*
Sterrett, Marion,	*Washington, Pa.*
Stevenson, Nell,	*Nebraska City, Neb.*
Stewart, Margaret Jeanette,	*Keota, Ia.*
Stickney, Helen,	*Evanston.*
Stockham, Mrs. E.,	*Hamden, O.*
Stottler, Cora M.,	*Evanston.*
Stowe, Esther Louisa,	*Fort Dodge, Ia.*
Straight, Bessie E.,	*Evanston.*
Swartout, Katie,	*Wilmette.*
Taylor, Florence,	*Chicago.*
Thompson, Edith,	*Evanston.*
Titus, Marion Estelle,	*Grand Forks, N. D.*
Todd, Perilla Florence,	*Milledgeville.*
Todd, W. J.,	*Evanston.*
Truax, Edith Yates,	*Ravenswood.*
Vance, Mrs. William L.,	*Evanston.*
Van Metre, C. H.,	*Evanston.*
Ward, Lena,	*Evanston.*
Waterbury, Mary Louise,	*Evanston.*
Waters, Maude,	*Shoshone, Idaho.*
Webster, Josephine Haviland,	*Evanston.*
Welsh, Mrs. J. W.,	*Evanston.*

Whitlock, Laura Case,	*Evanston.*
Williams, Edna,	*Belvidere.*
Williams, Fanny,	*Evanston.*
Wood, Eugene Edson,	*Malden.*
Youle, Vinnie Anne,	*Scales Mound.*
Zeuch, William Edward,	*Chicago.*

THE SCHOOLS OF THEOLOGY.

GARRETT BIBLICAL INSTITUTE.

DEGREE COURSE.

SENIOR CLASS.

Cullison, Homer Edgar, A.B., Baker University.	*Hamilton, Kan.*
Farmer, Harry, B.S., Columbian University.	*Cedar Rapids, Ia.*
Freeman, Milton Sterner, B.S., Schuylkill University.	*Allerton, Pa.*
Gates, Eugene Franklin, Ph. B., Taylor University.	*Mentone, Ind.*
Goff, W. Roy, A.B., Allegheny College.	*Pittsburg, Pa.*
Hall, John, A.B., Black Hills College.	*Hot Springs, S. D.*
Hammitt, Leon Lewis, A.B., Western College.	*Toledo, Ia.*
Homan, Fletcher, A.B., Simpson College.	*Corning, Ia.*
Jackson, Joseph Ellis, A.B., National Normal University.	*Blanchester, Ia.*
Lawler, Hiram Festus, A.B., Northwestern University.	*Green Valley.*
McCowen, Chester C., A.B., De Pauw University.	*Toulon.*
Williams, John Henry, A.B., University of the Pacific.	*San Jose, Cal.*
Williams, Stephen Rees, B.L., Lawrence University.	*Ottawa, Wis.*

DIPLOMA COURSE.

SENIOR CLASS.

Blair, William Walter, South Omaha High School.	*Boscobel, Wis.*
Caffyn, Jesse Roland, A.B., Upper Iowa University.	*Fayette, Ia.*
Chapler, Charles Elmer, Fort Dodge High School.	*Fort Dodge, Ia.*
Ehrstein, Joseph J., Findlay College.	*Marathon, Ia.*

Fleming, Burton H., *Dowagiac, Mich.*
Northwestern University.
Harvey, Herman Lester, *University Park, Colo.*
Iliff School of Theology.
Hewitt, Clare John, B.S., *Elgin.*
Union College.
Mayne, Charles, *Shelby, Ia.*
Cornell College.
McFadden, John Roscoe, *Gilmore, Ohio.*
Scio College.
Parsons, Rome Avery, *Stockton, N. Y.*
Fredonia State Normal.
Smith, Walter Henry, *Ponca, Neb.*
Ponca High School.
Spencer, Elijah W., *Cherokee, Kan.*
Academy of Baker University.
Swan, Eric Philip, *Kansas City, Mo.*
Swedish Theological Seminary.
Thibodeau, Asa Davis, *Lincoln, Me.*
East Maine Conference Seminary.
Thomas, Eben A., *Kendaick, Idaho.*
University of Michigan.
Thompson, Ernest Lee, *Gilroy, Cal.*
Cornell College.
Van Metre, Charles Henry, A.B., *Arthur, Ia.*
Upper Iowa University.
Wire, Melville Thomas, *Albany, Ore.*
Albany College.

DEGREE COURSE.

MIDDLE CLASS.

Anderson, Charles Henry, A.B., *Everly, Ia.*
Upper Iowa University.
Anderson, Frank, A.B., *Chicago.*
DePauw University.
Atkinson, Henry Avery, Ph.B., *Vallejo, Cal.*
Pacific Methodist College.
Baker, Abram Laurel, A.B., *Braceville.*
Black Hills College.
Barnlund, August William, Ph.B., *Donovan.*
Northwestern University.
Case, Alfred John, A.B., A.M., *Oakland, Cal.*
University of the Pacific.
Cummins, Joyce Peter, *Chokio, Minn.*
McKendree College.
Haist, Frederick William, *Evanston.*
Northwestern University.
Martin, Arba, Ph.B. *Evanston.*
Northwestern University.
Moore, Floyd Otis, A.B., *Kansas City, Mo.*
Kansas City University.
O'Mays, James, A.B., *Indianola, Ia.*
Simpson College.

Rush, Raymond, A.B., Baldwin University.	*Mt. Vernon, O.*
Thrall, Victor Worthy, A.B., McKendree College.	*Lebanon.*
Tucker, Fred B., A.B., Penn College.	*Ottumwa, Ia.*
Umpleby, Arthur Leonard, A.B., Hamlin University.	*Chesterton, Ind.*
West, James Alexander, B.S., Illinois Wesleyan University.	*Bloomington.*

DIPLOMA COURSE.

MIDDLE CLASS.

Allen, Errol V., Kansas Wesleyan University.	*Reamsville, Kan.*
Allen, Harmon, Baker University.	*Rosemont, Kan.*
Baker, Olin Summers, Iliff School of Theology.	*University Park, Colo.*
Barr, James R., Nebraska Wesleyan University.	*Birksville, Kan.*
Bonnickson, Hans Madsen. Breaklau Theological School.	*Hvidding, Germany.*
Bowes, John Elliot, Medford High School.	*Strathnairn, Ont., Can.*
Butterfield, Otis W., Black Hills College.	*Hot Springs, S. D.*
Canfield, Omer T., Academy of Northwestern University.	*Decatur.*
Cheuvront, John Richard, Academy of Northwestern University.	*Shelbyville, W. Va.*
Cleworth, William Charles, Albert College.	*River View.*
Fisher, Fred Phillip, A.M., Cornell College.	*Central City, Ia.*
Fried, Heber Morris, Waterloo High School.	*Elkhart, Ind.*
Godden, William Charles, Mt. Hermon School.	*Oswego, N. Y.*
Howard, George Crosby, East Maine Conference Seminary.	*Center Montville, Me.*
Kramer, Boyde Wesley, Lena High School.	*Freeport.*
McGuire, Mable B., Kalamazoo High School.	*Stevensville, Mich.*
Mead, George Francis, Iliff School of Theology.	*Evanston.*
Montague, Chester Richard, Buffalo High School.	*Elo, Wis.*
Nesbit, Baxter Reed, Indiana State Normal.	*Shelburn, Ind.*
Otis, Ardon William, Grand Prairie Seminary.	*Evanston.*

Price, Elihu Gustavus, *Lehigh, Ia.*
Guthrie County High School.
Randolph, Walter Theodore, *Thomas, Kan.*
Richmond, George McClellan, *San Francisco, Cal.*
Eureka College.
Simpson, Charles Eric, *Evanston.*
Academy of Northwestern University.
Smith, Kelly Lorenzo, *Arlington, Ohio.*
Findlay College.
Sundstrom, Charles Henry, *McKeesport, Pa.*
Swedish Theological Seminary.
Teeter, Will H., *Mount Carroll.*
Mount Carroll High School.
Thomas, John Saunders Ladd, *London, Eng.*
University College.
Thompson, Erwine, *Brown City, Mich.*
English Polytechnic School.
Thompson, Jonathan Fustin, *Richmond, Mich.*
English Polytechnic School.
Williams, James Michael, *Creston, Iowa.*
Simpson College.

DEGREE COURSE.

JUNIOR CLASS.

Burwell, Leslie Moulthrop, A.B., *Palo Alto, Cal.*
Harvard University.
Hovis, Frank Leon, A.B., *Wesley, Pa.*
Grove City College.
McKeever, Lawrence Arthur, A.B., *Sylvan Grove, Kan.*
Kansas Wesleyan University.
Reynolds, Judson Walker, A.B., *Oskaloosa, Iowa.*
University of Iowa.
Roeder, John Wesley, A.B., *Keokuk, Iowa.*
Central Wesleyan College.
Schermerhorn, William David, A.B., *Lincoln, Kan.*
Kansas Wesleyan University.
Selzer, Frederick Isaac, *Evanston.*
Northwestern University.
Smith, Harris William, A.B.,
Cornell College.
Spencer, John Carroll, A.B., *College Park, Cal.*
University of the Pacific.
Stevens, Charles Edward, Ph.D., *Rowan, Iowa.*
Upper Iowa University.
Whitford, Fred Warren, A.B., *Ruthven, Iowa.*
Upper Iowa University.

DIPLOMA COURSE.

JUNIOR CLASS.

Allen, Lewis Harkwill, *Wild Rose, Wis.*
Albert College.
Atkinson, Robert Kavanaugh, A.B., *Vallejo, Cal.*
Pacific Methodist College.

Baker, William S., Scio College.	*Plainfield, Ohio.*
Barnes, Wilbur Leslie, Delavan High School.	*Delavan.*
Bloomer, Henry M., B.S., Hedding College.	*Keithsburg.*
Callahan, William Eaton, Academy of Northwestern University.	*Ravenswood.*
Caever, George Richard, Skaneateles Academy.	*Skaneateles, N. Y.*
Coover, Alvin Raymond, Lima High School.	*Lima, Ind.*
Crickett, Charles Chauncey, Stanberry Normal School.	*Stanberry, Mo.*
Dean, Asbury Simpson, Morningside College.	*Evanston.*
Detweiler, Erwin Rutt, Elkhart Institute.	*Bellwood, Neb.*
Evans, William David, Illinois Wesleyan University.	*Waldron.*
Gallagher, Leroy Edward, Drake University.	*Carroll, Ia.*
Gooch, Charles Herbert, Belvidere High School.	*Garden Prairie.*
Grant, Robert Lincoln, Lawrence University.	*Hanceville. Ala.*
Harriott, William Christopher, Lebanon University.	*Chicago.*
Haskins, William Forrest, Missouri State School.	*Shelbyville, Mo.*
Holloway, Barton Cartwright, Academy of Northwestern University.	*Orangeville.*
Idle, Dunning, Victoria University.	*Toronto, Canada.*
Jockisch, Albert Julius Illinois State Normal School.	*Boody.*
Kilbourne, Kingston Palmer, Upper Iowa University.	*Newton, Wis.*
Kingan, John Savage, Mount Vernon School.	*Upland, Ind.*
Leake, Leonard Ralph, Wisconsin State Normal School.	*Lone Rock, Wis.*
Lent, William Charles,	*Beardstown.*
Lewis, James Henry, Taylor University.	*Upland, Ind.*
Little, Paul, Belfast College.	*Chicago.*
Lumsden, Ernest Cornelius, St. Thomas Collegiate Institute.	*Wolverine, Mich.*
Miner, Charles Henry, LL.D., University of Nebraska.	*Gilroy, Cal.*
Minney, Jacob Luther, B.S., Ohio Wesleyan University.	*Tippecanoe, O.*
Muhleman, William Godfrey, Northwestern University.	*Evanston.*

Murray, Roderick, Toronto Bible Training School.	*Herman, Minn.*
Pace, Charles Nelson, A.B., Iowa Wesleyan University.	*Mt. Pleasant, Ia.*
Peterson, Robert Peter, Puget Sound University.	*Tacoma, Wash.*
Pettis, John Alroy,	*Salinas, Cal.*
Rinkel, Jacob Edward, Central Wesleyan College.	*Warrenton, Mo.*
Roe, George Bradley, Peabody Normal School.	*Humboldt, Tenn.*
Shawl, Elmer Edmund, Grand Prairie Seminary.	*Evanston.*
Shepherd, Delmer, Lebanon High School.	*Lebanon, Ind.*
Stanley, Whitman Philo, Wesleyan University.	*New Berkshire, Vt.*
Stockham, Olman, B.L., Baldwin University.	*Hampden, O.*
Swisher, Leonard Alonzo, University of Iowa.	*Iowa City, Ia.*
Thompson, Elmer Ellsworth,	*Sonoma, Cal.*
Todd, William James, Walkerton High School.	*Ida Grove, Ia.*
Tyler, William Augustus, M.D., Columbian University.	*Curtis, Neb.*
Wadleigh, William Hiram, Iowa State Normal.	*Milford, Ia.*
Webster, George Edward,	*Juda, Wis.*
Wood, Arthur Clark, A.B., Hedding College.	*Hampton, Ill.*

SPECIAL STUDENTS.

Cullison, Mrs. Homer E.,	*Hamilton, Kan.*
Dahl, Swan Edwin, Swedish Theological Seminary.	*Minneapolis, Minn.*
Edwards, Fritz Edward, Swedish Theological Seminary.	*Rockford.*
Fisher, Effie McCoid, Iowa State Normal.	*Central City, Iowa.*
Gates, Fannie M.,	*Mentone, Ind.*
Hammond, Allen Odell, Northwestern University.	*Melita, Mich.*
Hedeen, Eric Nathaniel, Swedish Theological Seminary.	*Evanston.*
Howard, Faye, East Maine Conference Seminary.	*Kingman, Me.*
Johnson, John, Swedish Theological Seminary.	*Evanston.*
Lewis, Lillian St. John, B.S., Taylor University.	*Upland, Ind.*
McGuire, S. Fletcher,	*Stevensville, Mich.*

Parkinson, G. H., Northwestern University.	*Wichita, Kan.*
Sandberg, Oscar Gideon, Swedish Theological Seminary.	*Evanston.*
Spencer, Alberta Dickinson,	*Cherokee, Kan.*
Stewart, George J. C., Northwestern University.	*Saginaw, Mich.*
Strandell, Andrew J., Swedish Theological Seminary.	*Worcester, Mass.*
Terry, Arthur Guy, Ph.B., Northwestern University.	*Evanston.*
Verity, George Harvey, Ohio Wesleyan University.	*Delaware, Ohio.*
Welsh, John Wallace, Northwestern University.	*Evanston.*
Wohlander, Carl Eric, Swedish Theological Seminary.	*Jasmine, Tex.*

NORWEGIAN-DANISH THEOLOGICAL SEMINARY.

Haver, Hans S.,	*Perth Amboy, N. J.*
Olsen, John M.,	*Evanston.*
Olsen, Melville L.,	*Bay City, Wis.*
Petersen, Louis C.,	*Evanston.*
Petersen, Robert B.,	*Seattle, Wash.*
Schevenius, Carl W.,	*Stoughton, Wis.*
Wang, John J.,	*Minneapolis, Minn.*

SWEDISH THEOLOGICAL SEMINARY.

FOURTH CLASS.

Hedeen, Eric N.,	*Andover.*
Johnson, John,	*Ansonia, N. Y.*
Magnuson, Svan,	*Chicago.*
Sandberg, Oscar,	*Ong, Neb.*
Stromberg, A. Fred,	*Chicago.*

THIRD CLASS.

Anderson, August,	*Escondido, Cal.*
Burdell, Joseph N.,	*Boston, Mass.*
Edwards, Fritz E.,	*Rockford.*
Carlson, Andrew,	*Chicago.*
Dahl, Edwin S.,	*Des Moines, Ia.*
Pearson, Nels,	*Chicago.*
Westerberg, T. J.,	*Chicago.*
Wohlander, Carl,	*Keeran, Tex.*

SECOND CLASS.

Blomberg, Alfred,	*Moline.*
Erickson, Gustav,	*Hobart, Ind.*
Holmberg, Nels,	*Oakland, Neb.*
Rosenquist, Carl J.,	*Kaarene, Tex.*
Ryberg, Fredric,	*Bridgeport, Conn.*
Strandell, A. J.,	*Worcester, Mass.*

FIRST CLASS.

Bard, Nels,	*Chicago.*
Johnson, Albert,	*New York.*
Johnson, John A.,	*Racine, Wis.*
Johnson, Ossian,	*New York.*
Tapper, Gustav,	*New York.*

LIST OF

DEGREES AND PRIZES

FOR

THE YEAR 1901–1902.

DEGREES CONFERRED IN 1901.

HONORARY DEGREES.

Doctor of Divinity.

Charles Horswell, Ph.D.
Matthias F. Kaufman.
Fred H. Sheets.

Master of Arts.

David D. Thompson.

DEGREES IN COURSE.

Bachelor of Arts.

Baker, John Clark,
Bangs, Hal Crumpton,
Cumnock, Wallace Webster,
Erickson, Thor Haug,
Frost, Henry Hoag,
Hunting, Edith Stephens,
Johnston, Joseph Albert,
Jose, Lillian Lovisa,
Kelley, Andrew Clarke,
King, James Sherman,
Knox, Susan Mixter,
Larimer, Guy Wayne,
Lloyd, Alfred Tennyson,
Masden, Ella McCarty,
McCabe, Caroline Rebecca,
Melville, Carey Eyster,
Montgomery, Annie Mabel,
Phar, John Marion,
Rodgers, Joseph Henry,
Russell, Hiram Earl,
Ruth, Thyra Julia,
Schlorff, Paul William,
Seager, George Wesley,
Shinn, Harold Brough,
Skiles, Aubrey Matson,
Smith, Elda Louisa,
Truby, Franklin Jesse,
Wegener, Agnes,
Wegener, Florence,
Welsh, James Wallace,
White, Will Fremont,
Wynekoop, Florence Victoria,
Zimmerman, Edward Eggleston.

Bachelor of Philosophy.

Barnlund, August William,
Benn, Hester Eliza,
Durham, Ralph Hermon,
Dutton, Joseph,
Evans, Ina Mae,
Ferris, Mary Caroline,
Gillespie, Charles Seward,
Gilmore, Jennie Josephine,

Graham, Fred Arthur,
Greenwood, Celia Daphne,
Handy, Helen Marshall,
Hansen, Herbert Conrad,
Jeffrey, Jessie Wright,
Jewell, Helen Mabel,
Kinnison, Catharine,
Lowell, Emma Belle,
Neiglick, Elsa,
Nordquist, Stella,
Payton, Ethel Inez,
Quade, William George,
Rankin, Clarence Edward,
Rawll, Ruby Eleanor,
Schreiber, Thomas,
Terry, Arthur Guy,
Winslow, Annie Swift,
Wolf, Frank David,
Wright, Mary Florence.

Bachelor of Science.

Baker, Helen Mary,
Baker, Horace Singer,
Capron, Albert Snowden,
Chaddock, DeClifford,
Comings, Alice Tenney,
Conrad, Ashley Taylor,
Dike, Paul Harrison,
Edgar, Thomas Oscar,
Gazzolo, Victoria,
Hance, James Harold,
Larsen, Isabel,
Mann, Loula Mina,
Nichols, George Everett,
Patterson, Charles Waggoner,
Pease, Eugene Kingsley,
Phelps, Frank Wesley,
Porter, Royal Arthur,
Thayer, Effie Ellen,
Thayer, Jane Constance,
Vimont, Marie Louise.

Bachelor of Letters.

Catlin, Annie Lyman,
Dahlen, Emma Marie,
Davies, Bess,
Dennis, Ralph Brownell,
Dyar, Annie Lombard,
Hayden, Agnes,
Hinkel, Martha,
Larsen, Leslie Randall,
Lombard, Mary Joy,
Lyon, Leonie Tansley,
Milner, Sarah Fay,
Peters, Maude Myrtle,
Reynolds, Florence Emma,
Richardson, Edith May,
Short, Robert,
Siller, Mabel Harriet,
Snider, Blanche Ellis,
Sturgeon, Jennie Bradshaw,
Williams, Abbie Florence,
Window, Mary Reynolds,
Zimmerman, Marion Eggleston.

Master of Arts.

Bassett, Lelia Clyde,
Flickinger, Roy Caston,
Keller, William Jacob,
Wright, Cyrus Ames.

Master of Philosophy.

Fleshiem, Nellie Louise,
Price, Annie Harriet,
Thomas, Percy Ernest,
Wilson, Robert Edward.

Master of Science.

Gloss, Samuel Debenham,
Howard, Arthur Day,
Medlar, Ola Samuel.

Master of Letters.

Nash, Walter Dudley,
Noyes, Lizzie Browning.

Doctor of Philosophy.

Basquin, Olin Hanson.

Doctor of Medicine.

Abrams, James Chegwin, B.S.,
Adams, Fred Millard,
Adams, Ortus Fuller,
Aderhold, Thomas Maze, B.S.,
Baker, Axcel Conrad, B.S.,
Barker, Mellen Reed, M.S.,
Barnes, Elbert Maltby,
Bartlett, Henry Lincoln,
Beard, Charles George,
Beck, Lewis K.,
Beecher, William Lyman, Ph.G.,
Biehn, Joseph Frank,
Black, Arthur Davenport, B.S., D.D.S.,
Boughton, Charles Wheelock, A.B.,
Brandt, Franz Henry,
Bunyan, Walter William,
Clark, John Donovan, B.S.,
Cluney, William Thomas,
Cohenour, Vincent Jacob, Ph.B.,
Coughlin, Francis James,
Detling, Frank Edward,
Dye, Willoughby George,
Farrell, Vincent Alan,
Force, Oreis Orville, Ph.B.,
Fox, Charles Marvin,
Francis, Charles Haven,
Geyer, Clarence Winfred,
Gilbert, Alson Reeder,
Goldsmith, Alexander Aaron,
Greene, Roland A.,
Gumm, Albert Gottlieb, B.S.,
Harriman, Tim G.,
Harvey, Robert James, M.D.,
Herdien, Elmer Forrest, A.B.,
Higgins, Edward J.,
Hogan, Earl Aden,
Holmes, Raynor Elmere,
Hopkins, Clarence Whittingham,
Jones, Charles Rutgar, Ph.G.,
Kinnaird, William,
Lamborn, William Henry,
Lehnhoff, Henry John, A.B.,
Lespinasse, Victor Darwin,
Lewis, James Lang, A.B.,
Lofgren, Emil,
Maclay, Otis Hardy, B.S.,
Miller, A Merrill,
Mills, Patrick E.,
Murphy, Daniel Edward,
Noble, Robert Avery,
O'Brien, George Gilbert, M.D.,
Parker, Albert S.,
Payne, William Henry,
Pearson, Norman,
Persons, John Reed,
Potts, Herbert Anthony, D.D.S.,
Quick, James Burgess,
Ransmeier, Robert Edmund,
Roberts, Will H., Ph.G.,
Rudolf, Alexander James,
Smith, Charles Edgar,
Stevenson, Byron Le Roy,
Streeter, Edward Clark, A.B.,
Thomas, William O.,
Tillisch, John Henry,
Tower, John Ballard, A.B.,
Van Vorhis, James Harrison, B.S.,
Watterson, Walter Hobert,
Wightman, Hugo William, M.D.,
Wiley, Edwin Hardin, Jr.,
Wilkinson, William Willing, B. S.,
William, Robert James,
Woolsey, Lester E.,
Worthington, Major Henry.

Bachelor of Laws.

Baldwin, George Benjamin, A.B.,
Bryant, Claud Joseph, LL.B.,
Bryant, John Morrison, Jr.,
Burchell, Francis William,
Childs, Lester Coffeen, A.B.,
Cleveland, Don,
Colby, Elhanan Wayne,
Cook, Raymond Capron, A.B.,
Demerath, Nicholas Jay,
Froelich, Edmund Walter,
Galt, Arthur Thomas, A.B.,
Garrett, James Ralph,
Gilbert, Barry, A.B.,
Hale, William Browne, A.B.,
Ham, Edward Randolph, A.B.,
Hopkins, Richard Joseph,
Hunter, Joseph Andes,
Hurlbut, Harry Rogers, A.B.,
Jackson, David Henry, A.B.,
Kropf, Oscar Armien, A.M.,
Lederer, Charles William, Ph.B.,
Luby, Clarence Joseph, B.L.,
Mercer, William Moffett, B.S.,
Malo, Stephen Charles,
Marsh, Edwin Franklin,
Meyer, Sidney Bachrach,
Miller, George Haven,
Moorhead, Forest George,
Neff, George,
Oggel, E. Christian, B.S.,
Otis, William Kitchen, A.B.,
Patterson, Stewart, A.B.,
Rawlins, Edward William,
Richards, Louis, Ph.G.,
Street, Norman Arthur, A.B.,
Swett, Frank Wentworth,
Trumbull, Donald Shurtleff, A.B.,
Upton, Edward Clark, A.B.,
Ward, Clifton Trask, B.S.,
Watson, George Balderston, A.B.

Pharmaceutical Chemist.

Alyea, Willard S.,
Barnum, William Lewis, Jr.,
Bedford, Clifton Crews,
Brown, Charles William,
Clough, Walter Rogers,
Dunlop, Will Douglas,
Gray, Margaret McClintock,
Johnson, William,
Knicks, Leon Frank,
Roberts, Rector Preston,
Spaulding, William Herbert,
Willson, Tom Bell.

Graduate in Pharmacy.

Bach, Engelbert,
Jones, David Ambrose.

Doctor of Dental Surgery.

Ackerman, Charles,
Adkins, Robert Alfred,
Akers, John Rankin,
Anderson, Morley Walton,
Appel, Peter, Jr.,
Atterberry, James Graham,
Austin, John Franklin,
Baasen, John Baptiste,
Baird, Guy B.,
Baldwin, Arthur,
Baldwin, James Otho,
Beadles, Robert Oscar,
Beebe, Frank Chester,
Behm, Louis John,
Benson, Joseph Lambert,
Bevan, James Ambrose,
Bishopp, John Alfred,
Blair, William Frederick,
Bohman, Otto Ferdinand,
Bowen, David Harley,
Bradshaw, Duane Franklin,
Brock, Harry Martin,

Brown, Ferdinand V. Garretson,
Burhans, Percy Alexander,
Burkhart, Charles Hickey,
Butler, Josephine K.,
Butturff, Rolla Walter,
Cadwell, Clyde,
Carr, Samuel Lester,
Chapman, Wesley Harrison,
Clark, Thomas,
Clevenger, John William,
Coffin, Algernon Bruce,
Cogley, Peter B.,
Coleman, Thomas,
Collins, George Merrill,
Conley, Winifred,
Copple, Enos Eli,
Corbitt, George Burris,
Couvrette, George Joseph,
Cummins, Frank Lawrence,
Daly, Thomas Hogan,
Davis, Robert Keppler,
Day, Ernest Walter,
Deitch, Frank,
Demling, Edward A.,
Doherty, Katharyne Alice,
Donahue, Michael Albert,
Emery, Newton Wesley,
Ercanbrack, William Claude,
Erret, George Edwin,
Fagg, Dow Marcus,
Falloon, William Henry,
Fawcett, Arthur Clayton,
Fleming, George K.,
Frank, William Joseph,
Fritz, Thomas J.
Gansel, Alvin Robert,
Garrett, Frank Miles,
Gilbert, Orlando C.,
Gilmore, John Michael,
Glass, Alfred Wilson,
Gordon, Howard Edward,
Gottfried, Charles Frederick, Jr.,
Gray, William Wallace,
Griffith, R. Allen,
Hacker, Albert Charles,
Hadfield, Harry Cook,
Hansen, Ca. Theodore,
Hawkes, Arthur John,
Heisey, David Judson,
Henline, Buell,
Hickman, Herbert Eugene,
Hines, Frank Benjamin,
Hoffer, James Jacob,
Hopwood, Olive Camille,
Horne, John Walter,
Hotch, Louis Grant,
Howat, Aleck Densmore,
Hughes, David John,
Hull, Elmore Thellus,
Ireland, Ora Dell,
Isenberg, Hays Michael,
Jarrett, Oro Johnson,
Jenson, James,
Johnson, James Philip,
Jones, Carl Lewis,
Jones, Harry,
Jorden, William Henry,
Kempter, Anton Raymond,
Kennedy, Arthur Inglesby,
Kennedy, James Maddigan,
King, William Jasen,
Kingsbury, Archibald Morgan,
Knapp, George Guy,
Koch, George Robert Ferdinand,
Kramer, Charles Simon,
Kremers, Walter Gerhard,
Kruchevsky, Abe Samuel,
Krueger, George Eugene,
Lacy, Charles Benjamin,
Laidlaw, John S.,
Landon, Vernon Orlando,
Latcham, Harry Earl,
Light, Frank D.,
Linderoth, Nils Herman,
Lovitt, Charles Oscar,
Lunak, Joseph Francis,
McCarty, William H.,
McCormack, Arthur J.,

McCoy, Thomas Roger,
McCrum, Thomas Benton,
McGowan, John Stewart,
McMaster, William David,
McMennamy, Francis Earle,
McQuarrie, Kenneth,
Macdonald, John Rae,
Mack, George,
Mahle, Arthur Augustus,
Mathews, Lynn Duaine,
Mathieu, Wesley John,
Mathisen, Philip Leopold,
Meeks, Daniel Homer,
Meves, Otto Charles,
Meyer, Walter Fred,
Miller, Charles S.,
Miller, Frederick,
Miller, G. E.,
Milligan, Edward Luke,
Moore, Arthur Timothy,
Moore, Edward Clements,
Nelson, Lewis J.,
Nelson, Melvin Ray,
Newton, Herman Christian,
Nielsen, John Peter,
Nisbet, Marshall D.,
Northwood, Reginald Charles,
Nunn, Webster Hamblin,
Orr, Clark,
Oyster, Harry W.,
Page, Myrtle Jane,
Pellett, Frederick,
Pershing, Royal Strong,
Petry, John,
Phillips, Herbert,
Pottle, Curtis Brackett,
Puckett, Harry Clayton,
Purcell, William Michael,
Read, Ervin Clifton,
Reece, John S.,
Reid, William Hutchinson,
Render, Alonzo Clarence,
Richards, George Theobald,
Rohwedder, Herman Harry,
Rossteuscher, Charles Ferdinand,
Ruckman, Robert Jasper,
Schneider, Adolph Emil,
Schneider, Leonard Julius,
Schoch, Andrew Clarence,
Schulze, Herman Julius,
Sears, Harry Elmer,
Sexmith, Lyman,
Shanks, Robert Edward,
Shay, William,
Siebecker, William David,
Sinks, Omer Francis,
Skogsborg, Gunnar Herman,
Smith, Charles William,
Smith, Ernest Ray,
Smock, Grant Hibbard,
Spalding, John Grant,
Stevenson, Robert Alexander,
Stoffel, Earl Noble,
Stokes, Hiram Chandler,
Strauss, Milton William,
Stroeter, George Williams,
Sweeney, James Thomas,
Taylor, Lemmie Em.,
Thomas, William Albert,
Thompson, Joseph Ferdinand,
Tichy, Joseph, Jr.,
Todd, Paul Ives,
Treen, Thomas Ottaway,
Tristram, George Thomas,
Vogan, John Wilbur,
Wait, Mark Leroy,
Waldberg, Ben,
Walsh, William Henry,
Waters, Frederic Horace,
Wentworth, George Wilton,
Werner, Edward August,
Whitson, Oscar LeRoy,
Wickham, John Elwood,
Wilson, Earl Emmans,
Wisman, Oscar James,
Wolfe, Morris Russell,
Wyatt, Eugene Ripley,
Young, Merle Dempster.

Doctor of Medicine (*Woman's Medical School*).

Ballance, Harriet Nevius, A.B.,
Binford, Nellie,
Crosby, Mary Julia,
Epperson, Adah,
Exton, Lucy Alice,
Gnekow, Emilie Louisa,
Henry, Mary J.,
Hinch, Minnie Agnes,
Keator, Louise Helmka,
Lehle, Amelia Susan,
MacKay, Emma Scribner,
Munch, Louise Lucy,
Neil, Marion Blanche,
Newell, Mary Elizabeth,
Porter, Mary O'Brien, M.D.,
(Dec. 22, 1900.)
Prentiss-Smith, Alcie,
Todd, Elizabeth Anne,
Tucker, Emma Boose, B.S.,
Wood, Lucy Miller, B.D.

PRIZES AND HONORS.

IN THE COLLEGE OF LIBERAL ARTS.

The Kirk Prize, for writing and pronouncing the best English Oration: Ralph B. Dennis.

The Cleveland Prizes, for Excellence in Declamation: First prize, George H. Parkinson; second prize, Francis G. Porter.

The Gage Prizes, for Excellence in Debate: First prize, James O'May; second prize, Edward J. Hanmer; third prize, George W. Briggs.

The Harris Prize, in Political and Social Science: Alfred T. Lloyd.

The Patten Prizes, for Excellence in Oratory: First prize, George C. Stewart; second prize, Frank J. Milnes; third prize, Joseph E. Smiley.

IN THE LAW SCHOOL.

The Callaghan Prize: Arthur Thomas Galt.

IN THE PHARMACY SCHOOL.

The Gilpin, Langdon & Co. Prize: Marinus Larsen Holm.

GENERAL ALUMNI ASSOCIATIONS.

FOR THE YEAR 1901–1902.

COLLEGE OF LIBERAL ARTS.

President—James Taft Hatfield, '83.
Vice-President—Eben P. Clapp, '81.
Corresponding Secretary—William A. Burch, '90.
Recording Secretary—Arthur G. Terry, '01.
Treasurer—James F. Oates, '93.

EXECUTIVE COMMITTEE.

James Taft Hatfield, '83.
Arthur G. Terry, '01.
James F. Oates, '93.
George A. Foster, '81.
Ada Townsend, '89.

DIRECTORS.

TERM EXPIRES 1902.

Harriet A. McWilliams, '83.
Edwin A. Schell, '86.
Vaclav K. Froula, '98.
Frank McCluskey, '99.

TERM EXPIRES 1903.

Charles W. Pearson, '71.
George A. Foster, '81.
William A. Burch, '90.
Percy E. Thomas, '00.

TERM EXPIRES 1904.

Eben P. Clapp, '81.
Ada Townsend, '89.
James F. Oates, '93.
Arthur G. Terry, '01.

All graduates of the College of Liberal Arts are eligible to membership in this association.

The dues of this Association are one (1) dollar a year, and there is no initiation fee. Any member may, if he so elect, pay ten (10) dollars at one time in lieu of all annual dues. The banquets and receptions of the association are most enjoyable features of com-

mencement week for alumni. The mid-winter banquet is also under the auspices of this association.

Applications for membership should be made to the Treasurer, James F. Oates, 724 Emerson St., Evanston.

MEDICAL SCHOOL.

President—Dr. William A. Mann, '83, Chicago.
First Vice-President—Dr. H. B. Hemenway, '81, Evanston.
Second Vice-President—Dr. A. A. Goldsmith, '01, Chicago.
Necrologist—Dr. E. W. Andrews, '81, Chicago.
Treasurer—Dr. William K. Jaques, '87, Chicago.
Secretary—Dr. R. T. Gillmore, '92, 460 E. 63d Street, Chicago.

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First Vice-President—M. Lester Coffeen, '71.
Second Vice-President—Kenesaw M. Landis, '91.
Third Vice-President—Harry Hamill, '88.
Fourth Vice-President—Herbert Acy Schryver, '95.
Secretary—Charles H. Blatchford, '97, 415 First National Bank Building, Chicago.
Treasurer—Otto R. Barnett, '88.

SCHOOL OF PHARMACY.

President—Harry Kahn, '89.
First Vice-President—G. H. Adamick, '90.
Second Vice-President—Mary K. Kline, '96.
Secretary—J. McDonald Scott, '94.
Treasurer—Maurice A. Miner.
Trustees—John J. Montgomery, '91; John J. Gill, '93; Gustave Frank, '95.

DENTAL SCHOOL.

President—E. B. Jacobs.
First Vice-President—F. W. Gethero.
Second Vice-President—Fred W. Parker.
Secretary—G. B. Macfarlane, 70 State Street, Chicago.
Treasurer—J. Bradbury, 5860 State Street, Chicago.
Executive Board—H. E. Macdonald, Elkan W. Fishell, J. W. Erringer.

WOMAN'S MEDICAL SCHOOL.

President—Anne White Sage, Chicago.
First Vice-President—Vira Brockway, Chicago.
Second Vice-President—Katherine Angell-Warthen.
Secretary—Eliza H. Root, Chicago.
Treasurer—Mary C. Holister, Chicago.
Necrologist—Birtha E. Bush, Rogers Park, Ill.
Executive Committee—Josephine Young; Josephine Jackson; Susanne Orten.

GARRETT BIBLICAL INSTITUTE.

President—Edward S. Ninde.
First Vice-President—A. E. Griffith.
Second Vice-President—C. S. Dudley.
Secretary, Treasurer, and Annalist—A. E. Saunders.
Executive Committee—P. H. Swift, J. P. Brushingham, W. H. Cawardine.

RECORDERS OF ALUMNI.

The Faculty of Liberal Arts has appointed Miss Lodilla Ambrose (2024 Orrington Ave., Evanston) Recorder of Alumni. It is desired that alumni of the College of Liberal Arts should keep her informed as to any biographical items of interest, especially changes in address, and notices of the death of any of the graduates.

Professor Edward Avery Harriman, 210 Commercial National Bank Bldg., Chicago, has been appointed Recorder of Alumni for the Law School, and the law alumni are requested to communicate to him their address and biographical items of interest.

PHI BETA KAPPA.

OFFICERS.

President—H. S. Boutelle.
Vice-President—J. H. Gray.
Recording Secretary—Clara Grant.
Corresponding Secretary—E. L. Shuman.
Treasurer—W. A. Dyche.

MEMBERS INITIATED JUNE 19, 1901.

Prof. G. O. Curme.

Horace S. Baker, '01.
John C. Baker, '01.
Paul H. Dike, '01.
Ralph H. Durham, '01.
Annie L. Dyar, '01.
Mary C. Ferris, '01.
Helen M. Jewell, '01.
James S. King, '01.
Carey E. Melville, '01.
Elsa Neiglick, '01.
Royal A. Porter, '01.
Florence E. Reynolds, '01.
Hiram E. Russell, '01.
Thyra J. Ruth, '01.
Paul W. Schlorff, '01.
Elda L. Smith, '01.
Arthur G. Terry, '01.
Agnes Wegener, '01.
Florence Wegener, '01.
Abbie F. Williams, '01.

SUMMARY OF STUDENTS.

COLLEGE OF LIBERAL ARTS:		
Fellows,	6	
Resident Graduates,	35	
Non-resident Graduates,	8	
Candidates for Bachelor's Degree,	490	
Students not Candidates for a Degree,	96	—635
MEDICAL SCHOOL:		
Fourth Year,	100	
Third Year,	106	
Second Year,	107	
First Year,	123	
Special Students,	26	—462
LAW SCHOOL:		
Resident Bachelors of Law,	6	
Third Year,	45	
Second Year,	52	
First Year,	45	
Students not Candidates for a Degree,	14	—162
SCHOOL OF PHARMACY:		
Post Graduate,	1	
Candidates for Degree of Pharmaceutical Chemist,	24	
Candidates for Degree of Graduate in Pharmacy,	180	—205
DENTAL SCHOOL:		
Third Year,	186	
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